lenovo

ThinkCentre
Hardware Maintenance Manual

Machine Types: 7515, 7522, 7523, 7560, 7569, 7610, 7611, 7705, 7706, 7715, 7717, 7718, 7719, 7721, 7749, 7773, 7774, and 7799

ThinkCentre
Hardware Maintenance Manual

Note: Before using this information and the product it supports, be sure to read and understand the information under "Notices," on page 383.

Contents

Chapter 1. About this manual

This manual contains service and reference information for ThinkCentre® computer machine types listed on the front cover. It is intended only for trained Service Providers who are familiar with Lenovo® computer products.

Note: Be sure to read and understand the Chapter 2, "Safety information," on page 3 before using the information in this manual.

The "Symptom-to-FRU Index" chapter and the "Additional service information" chapter apply to all ThinkCentre computers.

This manual includes a complete field replaceable unit (FRU) part number list for each machine type listed on the front cover. If you have Internet access, the FRU part numbers are also available at:
http://www.lenovo.com/support

Important safety information

Be sure to read all caution and danger statements in this book before performing any of the instructions.

Veuillez lire toutes les consignes de type DANGER et ATTENTION du présent document avant d'exécuter les instructions.

Lesen Sie unbedingt alle Hinweise vom Typ ″ACHTUNG″ oder ″VORSICHT″ in dieser Dokumentation, bevor Sie irgendwelche Vorgänge durchführen

Leggere le istruzioni introdotte da ATTENZIONE e PERICOLO presenti nel manuale prima di eseguire una qualsiasi delle istruzioni

Certifique-se de ler todas as instruções de cuidado e perigo neste manual antes de executar qualquer uma das instruções

Es importante que lea todas las declaraciones de precaución y de peligro de este manual antes de seguir las instrucciones.

تأكد من قراءة كل التحذيرات الموجودة في هذا الكتاب قبل اتباع هذه التعليمات .

执行任何说明之前，请确保已阅读本书中的所有警告和危险声明。

執行任何指示前，請確實閱讀本書中的所有警告及危險聲明。

ודאו שקראתם את כל הודעות האזהרה והסכנה במסמך זה לפני שתבצעו פעולה כלשהי.

본 사용 설명서에 기재된 내용을 실행하기 전에 모든 주의사항 및 위험사항을 숙지하십시오.

Important information about replacing the RoHS compliant FRUs

RoHS, the Restriction of Hazardous Substances in Electrical and Electronic Equipment Directive (2002/95/EC) is a European Union legal requirement affecting the global electronics industry. RoHS requirements must be implemented on Lenovo products placed on the market and sold in the European Union after June 2006. Products on the market before June 2006 are not required to have RoHS compliant parts. If the parts are not compliant originally, replacement parts can also be noncompliant, but in all cases, if the parts are compliant, the replacement parts must also be compliant.

Note: RoHS and non-RoHS FRU part numbers with the same fit and function are identified with unique FRU part numbers.

Lenovo plans to transition to RoHS compliance well before the implementation date and expects its suppliers to be ready to support Lenovo's requirements and schedule in the EU. Products sold in 2005, will contain some RoHS compliant FRUs. The following statement pertains to these products and any product Lenovo produces containing RoHS compliant parts.

RoHS compliant ThinkCentre parts have unique FRU part numbers. Before or after June, 2006, failed RoHS compliant parts must always be replaced using RoHS compliant FRUs, so only the FRUs identified as compliant in the system HMM or direct substitutions for those FRUs can be used.

Products marketed before June 2006		Products marketed after June 2006	
Current or original part	**Replacement FRU**	**Current or original part**	**Replacement FRU**
Non-RoHS	Can be Non-RoHS	Must be RoHS	Must be RoHS
Non-RoHS	Can be RoHS		
Non-RoHS	Can sub to RoHS		
RoHS	Must be RoHS		

Note: A direct substitution is a part with a different FRU part number that is automatically shipped by the distribution center at the time of order.

Chapter 2. Safety information

This chapter contains the safety information that you need to read and understand before servicing a computer.

General safety

Follow these rules to ensure general safety:

- Observe good housekeeping in the area of the machines during and after maintenance.
- When lifting any heavy object:
  1. Ensure you can stand safely without slipping.
  2. Distribute the weight of the object equally between your feet.
  3. Use a slow lifting force. Never move suddenly or twist when you attempt to lift.
  4. Lift by standing or by pushing up with your leg muscles; this action removes the strain from the muscles in your back. *Do not attempt to lift any objects that weigh more than 16 kg (35 lb) or objects that you think are too heavy for you.*
- Do not perform any action that causes hazards to the customer, or that makes the equipment unsafe.
- Before you start the machine, ensure that other service representatives and the customer's personnel are not in a hazardous position.
- Place removed covers and other parts in a safe place, away from all personnel, while you are servicing the machine.
- Keep your tool case away from walk areas so that other people will not trip over it.
- Do not wear loose clothing that can be trapped in the moving parts of a machine. Ensure that your sleeves are fastened or rolled up above your elbows. If your hair is long, fasten it.
- Insert the ends of your necktie or scarf inside clothing or fasten it with a nonconductive clip, approximately 8 centimeters (3 inches) from the end.
- Do not wear jewelry, chains, metal-frame eyeglasses, or metal fasteners for your clothing.

  Remember: Metal objects are good electrical conductors.
- Wear safety glasses when you are: hammering, drilling, soldering, cutting wire, attaching springs, using solvents, or working in any other conditions that might be hazardous to your eyes.
- After service, reinstall all safety shields, guards, labels, and ground wires. Replace any safety device that is worn or defective.
- Reinstall all covers correctly before returning the machine to the customer.

Electrical safety

CAUTION:
Electrical current from power, telephone, and communication cables can be hazardous. To avoid personal injury or equipment damage, disconnect the attached power cords, telecommunication systems, networks, and modems before you open the server/workstation covers, unless instructed otherwise in the installation and configuration procedures.

Observe the following rules when working on electrical equipment.

Important: Use only approved tools and test equipment. Some hand tools have handles covered with a soft material that does not insulate you when working with live electrical currents.

Many customers have, near their equipment, rubber floor mats that contain small conductive fibers to decrease electrostatic discharges. Do not use this type of mat to protect yourself from electrical shock.

- Find the room emergency power-off (EPO) switch, disconnecting switch, or electrical outlet. If an electrical accident occurs, you can then operate the switch or unplug the power cord quickly.
- Do not work alone under hazardous conditions or near equipment that has hazardous voltages.
- Disconnect all power before:
  - Performing a mechanical inspection
  - Working near power supplies
  - Removing or installing Field Replaceable Units
- Before you start to work on the machine, unplug the power cord. If you cannot unplug it, ask the customer to power-off the wall box that supplies power to the machine and to lock the wall box in the off position.
- If you need to work on a machine that has exposed electrical circuits, observe the following precautions:
  - Ensure that another person, familiar with the power-off controls, is near you.
    Remember: Another person must be there to switch off the power, if necessary.
  - Use only one hand when working with powered-on electrical equipment; keep the other hand in your pocket or behind your back.
    Remember: There must be a complete circuit to cause electrical shock. By observing the above rule, you may prevent a current from passing through your body.
  - When using testers, set the controls correctly and use the approved probe leads and accessories for that tester.
  - Stand on suitable rubber mats (obtained locally, if necessary) to insulate you from grounds such as metal floor strips and machine frames.

  Observe the special safety precautions when you work with very high voltages; these instructions are in the safety sections of maintenance information. Use extreme care when measuring high voltages.
- Regularly inspect and maintain your electrical hand tools for safe operational condition.
- Do not use worn or broken tools and testers.
- *Never assume* that power has been disconnected from a circuit. First, *check* that it has been powered-off.

- Always look carefully for possible hazards in your work area. Examples of these hazards are moist floors, nongrounded power extension cables, power surges, and missing safety grounds.
- Do not touch live electrical circuits with the reflective surface of a plastic dental mirror. The surface is conductive; such touching can cause personal injury and machine damage.
- Do not service the following parts with the power on when they are removed from their normal operating places in a machine:
  - Power supply units
  - Pumps
  - Blowers and fans
  - Motor generators

  and similar units. (This practice ensures correct grounding of the units.)
- If an electrical accident occurs:
  - Use caution; do not become a victim yourself.
  - Switch off power.
  - Send another person to get medical aid.

Voltage-selection switch

Some computers are equipped with a voltage-selection switch located near the power-cord connection point on the computer. If your computer has a voltage-selection switch, ensure that you set the switch to match the voltage available at your electrical outlet. Setting the voltage-selection switch incorrectly can cause permanent damage to the computer.

If your computer does not have a voltage-selection switch, your computer is designed to operate only at the voltage provided in the country or region where the computer was originally purchased.

If you relocate your computer to another country, be aware of the following:

- If your computer does not have a voltage-selection switch, do not connect the computer to an electrical outlet until you have verified that the voltage provided is the same as it was in the country or region where the computer was originally purchased.
- If your computer has a voltage-selection switch, do not connect the computer to an electrical outlet until you have verified that the voltage-selection switch is set to match the voltage provided in that country or region.

If you are not sure of the voltage provided at your electrical outlet, contact your local electric company or refer to official Web sites or other literature for travelers to the country or region where you are located.

Safety inspection guide

The intent of this inspection guide is to assist you in identifying potentially unsafe conditions on these products. Each machine, as it was designed and built, had required safety items installed to protect users and service personnel from injury. This guide addresses only those items. However, good judgment should be used to identify potential safety hazards due to attachment of features or options not covered by this inspection guide.

If any unsafe conditions are present, you must determine how serious the apparent hazard could be and whether you can continue without first correcting the problem.

Consider these conditions and the safety hazards they present:
- Electrical hazards, especially primary power (primary voltage on the frame can cause serious or fatal electrical shock).
- Explosive hazards, such as a damaged CRT face or bulging capacitor
- Mechanical hazards, such as loose or missing hardware

The guide consists of a series of steps presented in a checklist. Begin the checks with the power off, and the power cord disconnected.

Checklist:
1. Check exterior covers for damage (loose, broken, or sharp edges).
2. Power-off the computer. Disconnect the power cord.
3. Check the power cord for:
   a. A third-wire ground connector in good condition. Use a meter to measure third-wire ground continuity for 0.1 ohm or less between the external ground pin and frame ground.
   b. The power cord should be the appropriate type as specified in the parts listings.
   c. Insulation must not be frayed or worn.
4. Remove the cover.
5. Check for any obvious alterations. Use good judgment as to the safety of any alterations.
6. Check inside the unit for any obvious unsafe conditions, such as metal filings, contamination, water or other liquids, or signs of fire or smoke damage.
7. Check for worn, frayed, or pinched cables.
8. Check that the power-supply cover fasteners (screws or rivets) have not been removed or tampered with.

Handling electrostatic discharge-sensitive devices

Any computer part containing transistors or integrated circuits (ICs) should be considered sensitive to electrostatic discharge (ESD). ESD damage can occur when there is a difference in charge between objects. Protect against ESD damage by equalizing the charge so that the machine, the part, the work mat, and the person handling the part are all at the same charge.

Notes:
1. Use product-specific ESD procedures when they exceed the requirements noted here.
2. Make sure that the ESD protective devices you use have been certified (ISO 9000) as fully effective.

When handling ESD-sensitive parts:
- Keep the parts in protective packages until they are inserted into the product.
- Avoid contact with other people while handling the part.
- Wear a grounded wrist strap against your skin to eliminate static on your body.

- Prevent the part from touching your clothing. Most clothing is insulative and retains a charge even when you are wearing a wrist strap.
- Use the black side of a grounded work mat to provide a static-free work surface. The mat is especially useful when handling ESD-sensitive devices.
- Select a grounding system, such as those listed below, to provide protection that meets the specific service requirement.

  Note: The use of a grounding system is desirable but not required to protect against ESD damage.
  - Attach the ESD ground clip to any frame ground, ground braid, or green-wire ground.
  - Use an ESD common ground or reference point when working on a double-insulated or battery-operated system. You can use coax or connector-outside shells on these systems.
  - Use the round ground-prong of the ac plug on ac-operated computers.

Grounding requirements

Electrical grounding of the computer is required for operator safety and correct system function. Proper grounding of the electrical outlet can be verified by a certified electrician.

Safety notices (multi-lingual translations)

The caution and danger safety notices in this section are provided in the following languages:
- English
- Arabic
- Brazilian Portuguese
- Simplified Chinese
- Traditional Chinese
- French
- German
- Hebrew
- Italian
- Korean
- Spanish

DANGER

Electrical current from power, telephone and communication cables is hazardous.

To avoid a shock hazard:
- **Do not connect or disconnect any cables or perform installation, maintenance, or reconfiguration of this product during an electrical storm.**
- **Connect all power cords to a properly wired and grounded electrical outlet.**

- **Connect to properly wired outlets any equipment that will be attached to this product.**
- **When possible, use one hand only to connect or disconnect signal cables.**
- **Never turn on any equipment when there is evidence of fire, water, or structural damage.**
- **Disconnect the attached power cords, telecommunications systems, networks, and modems before you open the device covers, unless instructed otherwise in the installation and configuration procedure**s.
- **Connect and disconnect cables as described in the following tables when installing, moving, or opening covers on this product or attached devices.**

To Connect	To Disconnect
1. Turn everything OFF.	1. Turn everything OFF.
2. First, attach all cables to devices.	2. First, remove power cords from outlet.
3. Attach signal cables to connectors.	3. Remove signal cables from connectors.
4. Attach power cords to outlet.	4. Remove all cables from devices.
5. Turn device ON.	

CAUTION:
When replacing the lithium battery, use only Part Number 33F8354 or an equivalent type battery recommended by the manufacturer. If your system has a module containing a lithium battery, replace it only with the same module type made by the same manufacturer. The battery contains lithium and can explode if not properly used, handled, or disposed of.

Do not:
- **Throw or immerse into water**
- **Heat to more than 100°C (212°F)**
- **Repair or disassemble**

Dispose of the battery as required by local ordinances or regulations.

CAUTION:
When laser products (such as CD-ROMs, DVD-ROM drives, fiber optic devices, or transmitters) are installed, note the following:
- **Do not remove the covers. Removing the covers of the laser product could result in exposure to hazardous laser radiation. There are no serviceable parts inside the device.**
- **Use of controls or adjustments or performance of procedures other than those specified herein might result in hazardous radiation exposure.**

DANGER: Some laser products contain an embedded Class 3A or Class 3B laser diode. Note the following:

Laser radiation when open. Do not stare into the beam, do not view directly with optical instruments, and avoid direct exposure to the beam.

≥18 kg (37 lbs)   ≥32 kg (70.5 lbs)   ≥55 kg (121.2 lbs)

CAUTION:
Use safe practices when lifting.

CAUTION:
The power control button on the device and the power switch on the power supply do not turn off the electrical current supplied to the device. The device also might have more than one power cord. To remove all electrical current from the device, ensure that all power cords are disconnected from the power source.
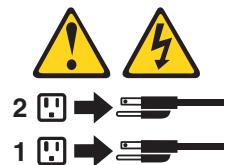
خـــــطر

التيــار الكـهربـي المـوجـود بمصـدر الطـاقـة أو أجـهزة التليفـون أو أسـلاك
الإتـصـالات يشـكل خـطورة.

لـتفادي مخـاطـر الصـدمـات الكـهربـائـية:

لا تحاول توصيل أو فصل أي أسـلاك أو القـيام بعـملـيات تـركيب أو صـيانـة أوإعـادة
توصـيف لـهذا المنتج أثـنـاء وجـود عاصـفـة كـهربـائـيـة.

يجـب تـوصـيـل كـل أسـلاك الكـهربـاء فـي مخـارج كـهربـاء ذات تـوصـيـلات
أسـلاك وتـوصـيـلات أرضـية صحيـحة
يجـب تـوصـيـل أي جـهاز سـيتم الحـاقه بـهذا المـنتج فـي مخارج كـهربـاء ذات
تـوصـيـلات أسـلاك صحيحة.

وإن أمـكـن يـجـب اسـتخدام يـد واحـدة فـقط فـي تـوصـيـل أو فصل أسلاك
الإشـارة.

لا تحـاول تشغـيـل أي جـهاز إذا كـان هنـاك أثـر لحـرق أو مـياه أو تـلف
بالمكـونـات
يجـب فـصل أسـلاك الكـهربـاء وأنـظمة الاتصـالات وشبـكات الاتصـال وأجـهزة
المـودم الملحـقة قـبل فـتح أغطية الجهاز، مـالـم يـتم طـلب خـلاف ذلك فـي
التعلـيمـات الخاصـة بالتـركيب والتـوصـيف.
قم بتوصيل وفصل الأسلاك كما هو موضح في الجدول التالي وذلك عند القيام بعمليات التركيب
أو النقل أو فتح أغطية هذا المنتج أو الأجهزة الملحقة.

للفصل:	للتوصيل:
قم بإيقاف كل شيء.	قم بإيقاف كل شيء.
أولا، قم بفصل كل أسلاك الكهرباء من المخرج.	أولا، قم بتوصيل كل الأسلاك بالأجهزة.
قم يفصل أسلاك الإشارة من الموصلات.	قم بتوصيل أسلاك الإشارة في لموصلات.
قم بفصل كل الأسلاك من الأجهزة.	قم بتوصيل أسلاك الكهرباء في المخارج.
	قم بتشغيل الجهاز.

تنبيـــه :

عند استبدال البطارية الليثيوم، استخدم فقط رقم الجزء الخاص Part Number 33F8354

أو نوع أخر يكون على نفس مستوى الكفاءة يحدده لك المصنع.

اذا كان النظام الخاص يستخدم معه بطارية ليثيوم قم باستبدالها بنفس النوع الذي تم

صناعته من خلال نفس المصنع. تحتوي البطارية على مادة الليثيوم ويمكن أن تنفجرفي حالة عدم استخدامها

أو التعامل معها بطريقة صحيحة أو عند التخلص منها بطريقة خطأ.

لا تقم بـــ:

• القاء البطارية أو غمرها في الماء

• تسخينها أعلى من ١٠٠ درجة مئوية°و(٢١٢ °

فهرنهيت)

• بتصليحها أو فكها

تخلص من البطارية طبقا للقانون أو النظام المحلي .

تنبيـــه :

أثناء تركيب منتجات ليزر (مثل CD-ROMs أو وحدة تشغيل DVD أو أجهزة Fiber Optic أو

وحدات الارسال) يجب مراعاة الآتي:

لا تنزع الأغطية. قد ينتج عن نزع أغطية منتج الليزر انفجار أشعة الليزر شديدة الخطورة.

لا يوجد أجزاء يمكن تغييرها داخل الجهاز. قد ينتج عن استخدام تحكمات أو تعديلات أو عمل أي تصرفات أخرى تخالف ما هو محددا هنا الى

انفجار أشعة شديدة الخطورة.

خطـــر

تحتوى بعض منتجات الليزر على الفئة دايود ليزر مدمج من الفئة Class 3A أوClass 3B . يجب

مراعاة الآتي .

أشعة الليزر عند الفتح. لا تحدق الى الاشعاع و لا تنظر اليه مباشرة بواسطة أي أجهزة مرئية

وتجنب التعرض المباشر للاشعاع .
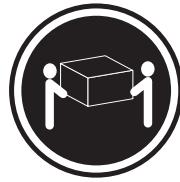
≥18 kg (37 lbs)   ≥32 kg (70.5 lbs)   ≥55 kg (121.2 lbs)

تنبيه :
يجب استخدام ممارسات آمنة عند الرفع

تنبيــه :
لا يقم زر التحكم في التشغيل الموجود على الجهاز والمفتاح الكهربائي الموجود على
لوحة التحكم بايقاف التيار الكهربائي المار بالجهاز. قد يكون للجهاز أكثر من سلك كهربائي واحد.
لايقاف التيار الكهربائي المار بالجهاز، تأكد من فصل جميع أسلاك الكهرباء من مصدر الكهرباء .

2
1
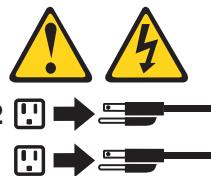
PERIGO

A corrente elétrica proveniente de cabos de alimentação, de telefone e de comunicações é perigosa.

Para evitar risco de choque elétrico:
- Não conecte nem desconecte nenhum cabo ou execute instalação, manutenção ou reconfiguração deste produto durante uma tempestade com raios.
- Conecte todos os cabos de alimentação a tomadas elétricas corretamente instaladas e aterradas.
- Todo equipamento que for conectado a este produto deve ser conectado a tomadas corretamente instaladas.
- Quando possível, utilize apenas uma das mãos para conectar ou desconectar cabos de sinal.
- Nunca ligue nenhum equipamento quando houver evidência de fogo, água ou danos estruturais.
- Antes de abrir tampas de dispositivos, desconecte cabos de alimentação, sistemas de telecomunicação, redes e modems conectados, a menos que especificado de maneira diferente nos procedimentos de instalação e configuração.
- Conecte e desconecte os cabos conforme descrito na tabela apresentada a seguir ao instalar, mover ou abrir tampas deste produto ou de dispositivos conectados.

Para Conectar:	Para Desconectar:
1. DESLIGUE Tudo.	1. DESLIGUE Tudo.
2. Primeiramente, conecte todos os cabos aos dispositivos.	2. Primeiramente, remova os cabos de alimentação das tomadas.
3. Conecte os cabos de sinal aos conectores.	3. Remova os cabos de sinal dos conectores.
4. Conecte os cabos de alimentação às tomadas.	4. Remova todos os cabos dos dispositivos.
5. LIGUE os dispositivos.	

CUIDADO:

Ao substituir a bateria de lítio, utilize apenas uma bateria com Número de Peça 33F8354 ou um tipo de bateria equivalente recomendado pelo Se o seu sistema possui um módulo com uma bateria de lítio, substitua-o apenas por um módulo do mesmo tipo e do mesmo fabricante. A bateria contém lítio e pode explodir se não for utilizada, manuseada ou descartada de maneira correta.

Não:
- Jogue ou coloque na água
- Aqueça a mais de 100°C (212°F)
- Conserte nem desmonte

Descarte a bateria conforme requerido pelas leis ou regulamentos locais.

PRECAUCIÓN:

Quando produtos a laser (como unidades de CD-ROMs, unidades de DVD-ROM, dispositivos de fibra ótica ou transmissores) estiverem instalados, observe o seguinte:

- Não remova as tampas. A remoção das tampas de um produto a laser pode resultar em exposição prejudicial à radiação de laser. Não existem peças que podem ser consertadas no interior do dispositivo.
- A utilização de controles ou ajustes ou a execução de procedimentos diferentes dos especificados aqui pode resultar em exposição prejudicial à radiação.

PERIGO

Alguns produtos a laser contêm diodo de laser integrado da Classe 3A ou da Classe 3B. Observe o seguinte:

Radiação a laser quando aberto. Não olhe diretamente para o feixe a olho nu ou com instrumentos ópticos e evite exposição direta ao feixe.

| ≥18 kg (37 lbs) | ≥32 kg (70.5 lbs) | ≥55 kg (121.2 lbs) |

CUIDADO:

Utilize procedimentos de segurança para levantar equipamentos.

CUIDADO:

O botão de controle de alimentação do dispositivo e o botão para ligar/desligar da fonte de alimentação não desligam a corrente elétrica fornecida ao dispositivo. O dispositivo também pode ter mais de um cabo de alimentação. Para remover toda a corrente elétrica do dispositivo, assegure que todos os cabos de alimentação estejam desconectados da fonte de alimentação.
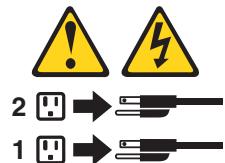
危险

电源、电话和通信电缆中的电流是危险的。

为避免电击危险：

- 请勿在雷电期间连接或断开任何电缆的连接，
  或者对本产品进行安装、维护或重新配置。

- 将所有电源线连接到正确连线和妥善接地的电源插座。

- 将所有要连接到该产品的设备连接到正确连线的插座。

- 如果可能，请仅使用一只手来连接或断开信号电缆的连接。

- 切勿在有火、水、结构损坏迹象的情况下开启任何设备。

- 在打开设备外盖之前请断开已连接的电源线、远程通信系统、
  网络和调制解调器，除非在安装和配置过程中另有说明。

- 当安装、移动或打开该产品或连接设备的外盖时，
  请按照下表所述来连接或断开电缆的连接。

要连接	要断开连接
1. 切断所有电源。 2. 首先将所有电缆连接到设备。 3. 将信号电缆连接到接口。 4. 将电源线连接到插座。 5. 开启设备。	1. 切断所有电源。 2. 首先从插座上拔出电源线。 3. 从接口上拔出信号电缆。 4. 从设备上拔出所有电缆。

警告：
更换锂电池时，请仅使用部件号为 33F8354 的电池或制造商推荐的同类电池。如果您的系统
有包含锂电池的模块，请仅使用同一制造商生产的相同模块类型来替换该模块。该电池中含有
锂，如果使用、操作或处理不当，可能会发生爆炸。

切勿：

- 投入或浸入水中

- 加热到 100℃（212℉）以上

- 维修或拆卸

请按照当地法令或条例的要求处理电池。

警告：
安装激光产品（例如 CD-ROM、DVD-ROM 驱动器、光纤设备或发射设备）时，
请注意以下声明：

－ 请勿卸下外盖。卸下激光产品的外盖可能导致遭受激光辐射的危险。该设
 备内没有可维修的部件。

－ 如果不按照此处指定的过程进行控制、调整或操作，则有可能导致遭受辐
 射的危险。

危险

某些激光产品包含嵌入式 3A 类或 3B 类激光二极管。请注意以下声明：

打开后有激光辐射。请勿注视光束，请勿直接用光学仪器查看，并请避免直接暴露在光束中。

≥18 千克（37 磅） ≥32 千克（70.5 磅） ≥55 千克（121.2 磅）

警告：
抬起时请采取安全措施。

警告：
设备上的电源控制按钮和电源上的电源开关不会切断供给该设备的电流。该设备还可
能有多条电源线。要切断该设备的所有电流，请确保所有电源线都与电源断开连接。

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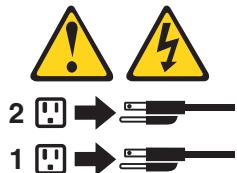
危險

電源、電話及通訊纜線上的電流都具有危險性。
若要避免觸電危險：
- 請勿在雷雨期間，連接或拔除纜線、執行安裝、維護或重新配置本產品。
- 將所有電源線連接到正確配線及接地的電源插座。
- 任何與本產品連接的設備都必須連接到配線妥當的電源插座。
- 請盡可能用單手連接或拔除信號線。
- 發生火災、水災或結構損害時，絕對不要開啟任何設備。
- 除非在安裝及配置程序中另有指示，否則在開啟裝置機蓋之前，請拔掉連接的電源線、電信系統、網路及數據機。
- 安裝、移動或開啟本產品或附屬裝置的機蓋時，請遵循下列說明連接及拔掉纜線。

連線	切斷連線
1. 關閉所有開關。	1. 關閉所有開關。
2. 首先，連接所有接線到裝置。	2. 首先，拔掉插座上的電源線。
3. 連接信號線到接頭。	3. 拔掉接頭上的信號線。
4. 連接電源線到插座。	4. 拔掉裝置上所有接線。
5. 開啟裝置。	

警告：
更換鋰電池時，請僅使用產品編號 **33F8354** 或製造商所建議的同類型電池。
如果您的系統中含有鋰電池模組，請僅使用同一家製造商所生產的相同模組進行更換。
如果未以正確方式使用、處理或棄置含鋰的電池，會有爆炸的危險。
請勿：

- 沾溼或浸入水中
- 置於 **100C (212F)** 以上的高溫環境
- 修理或拆開
請按照各地區有關廢棄電池的法令和規定處理舊電池。

警告：
- 請勿移除機蓋。移除雷射產品的機蓋，可能會導致暴露在危險的雷射輻射中。裝置內部並無可自行維修的零件。
- 利用或執行非本文中所指定的控制、調整及執行程序，可能會導致危險的輻射外洩。

危險

部分雷射產品含有內嵌式 **Class 3A** 或 **Class 3B** 雷射二極體。請注意下列事項：
在開啟光碟機時，會發生雷射輻射。請勿直視光束或用光學儀器直接檢視，並避免直接暴露在光束中。

≥ 18 公斤（37 磅）　　≥ 32 公斤（70.5 磅）　　≥ 55 公斤（121.2 磅）

警告：
搬運時請注意安全。

警告：
裝置上的電源控制按鈕及電源供應器上的電源開關，無法關閉裝置所產生的電流。
該裝置可能有多條電源線。若要除去裝置流出的所有電流，請確認已切斷所有電源線的電源。
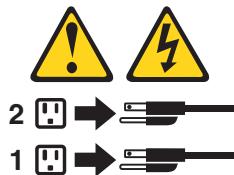
DANGER

Le courant électrique provenant de l'alimentation, du téléphone et des câbles de transmission peut présenter un danger.

Pour éviter tout risque de choc électrique :
- Ne manipulez aucun câble et n'effectuez aucune opération d'installation, d'entretien ou de reconfiguration de ce produit au cours d'un orage.
- Branchez tous les cordons d'alimentation sur un socle de prise de courant correctement câblé et mis à la terre.
- Branchez sur des socles de prise de courant correctement câblés tout équipement connecté à ce produit.
- Lorsque cela est possible, n'utilisez qu'une seule main pour connecter ou déconnecter les câbles d'interface.
- Ne mettez jamais un équipement sous tension en cas d'incendie ou d'inondation, ou en présence de dommages matériels.
- Avant de retirer les carters de l'unité, mettez celle-ci hors tension et déconnectez ses cordons d'alimentation, ainsi que les câbles qui la relient aux réseaux, aux systèmes de télécommunication et aux modems (sauf instruction contraire mentionnée dans les procédures d'installation et de configuration).
- Lorsque vous installez, que vous déplacez, ou que vous manipulez le présent produit ou des périphériques qui lui sont raccordés, reportez-vous aux instructions ci-dessous pour connecter et déconnecter les différents cordons.

Connexion	Déconnexion
1. Mettez les unités HORS TENSION.	1. Mettez les unités HORS TENSION.
2. Commencez par brancher tous les cordons sur les unités.	2. Débranchez les cordons d'alimentation des prises.
3. Branchez les câbles d'interface sur des connecteurs.	3. Débranchez les câbles d'interface des connecteurs.
4. Branchez les cordons d'alimentation sur des prises.	4. Débranchez tous les câbles des unités.
5. Mettez les unités SOUS TENSION.	

ATTENTION:

Remplacer la pile au lithium usagée par une pile de référence identique exclusivement, (référence 33F8354), ou suivre les instructions du fabricant qui en définit les équivalences. Si votre système est doté d'un module contenant une pile au lithium, vous devez le remplacer uniquement par un module identique, produit par le même fabricant. La pile contient du lithium et peut exploser en cas de mauvaise utilisation, de mauvaise manipulation ou de mise au rebut inappropriée.

Ne pas :
• **la jeter à l'eau,**
• **l'exposer à des températures supérieures à 100°C,**
• **chercher à la réparer ou à la démonter.**

Ne pas mettre la pile à la poubelle. Pour la mise au rebut, se reporter à la réglementation en vigueur.

ATTENTION:

Si des produits à laser (tels que des unités de CD-ROM, de DVD-ROM, des unités à fibres optiques, ou des émetteurs) sont installés, prenez connaissance des informations suivantes :
• **Ne retirez pas le carter. En ouvrant l'unité de CD-ROM ou de DVD-ROM, vous vous exposez au rayonnement dangereux du laser. Aucune pièce de l'unité n'est réparable.**
• **Pour éviter tout risque d'exposition au rayon laser, respectez les consignes de réglage et d'utilisation des commandes, ainsi que les procédures décrites dans le présent manuel.**

DANGER

Certains produits à laser contiennent une diode à laser intégrée de classe 3A ou 3B. Prenez connaissance des informations suivantes:

Rayonnement laser lorsque le carter est ouvert. Evitez toute expositiondirecte au rayon laser. Evitez de regarder fixement le faisceau ou del'observer à l'aide d'instruments optiques.

≥18 kg (37 lbs)   ≥32 kg (70.5 lbs)   ≥55 kg (121.2 lbs)

ATTENTION:

Soulevez la machine avec précaution.

ATTENTION:

L'interrupteur de contrôle d'alimentation de l'unité et l'interrupteur dubloc d'alimentation ne coupent pas le courant électrique alimentantl'unité. En outre, le système peut être équipé de plusieurs cordonsd'alimentation. Pour mettre l'unité hors tension, vous devez déconnectertous les cordons de la source d'alimentation.
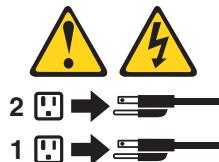
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VORSICHT

An Netz-, Telefon- und Datenleitungen können gefährliche Spannungen anliegen.

Aus Sicherheitsgründen:
- **Bei Gewitter an diesem Gerät keine Kabel anschließen oder lösen. Ferner keine Installations-, Wartungs- oder Rekonfigurationsarbeiten durchführen.**
- **Gerät nur an eine Schutzkontaktsteckdose mit ordnungsgemäß geerdetem Schutzkontakt anschließen.**
- **Alle angeschlossenen Geräte ebenfalls an Schutzkontaktsteckdosen mit ordnungsgemäß geerdetem Schutzkontakt anschließen.**
- **Die Signalkabel nach Möglichkeit einhändig anschließen oder lösen, um einen Stromschlag durch Berühren von Oberflächen mit unterschiedlichem elektrischem Potenzial zu vermeiden.**
- **Geräte niemals einschalten, wenn Hinweise auf Feuer, Wasser oder Gebäudeschäden vorliegen.**
- **Die Verbindung zu den angeschlossenen Netzkabeln, Telekommunikationssystemen, Netzwerken und Modems ist vor dem Öffnen des Gehäuses zu unterbrechen, sofern in den Installations- und Konfigurationsprozeduren keine anders lautenden Anweisungen enthalten sind.**
- **Zum Installieren, Transportieren und Öffnen der Abdeckungen des Computers oder der angeschlossenen Einheiten die Kabel gemäß der folgenden Tabelle anschließen und abziehen.**

Zum Anschließen der Kabel gehen Sie wie folgt vor	Zum Abziehen der Kabel gehen Sie wie folgt vor
1. Schalten Sie alle Einheiten AUS.	1. Schalten Sie alle Einheiten AUS.
2. Schließen Sie erst alle Kabel an die Einheiten an.	2. Ziehen Sie zuerst alle Netzkabel aus den Netzsteckdosen.
3. Schließen Sie die Signalkabel an die Buchsen an.	3. Ziehen Sie die Signalkabel aus den Buchsen.
4. Schließen Sie die Netzkabel an die Steckdose an.	4. Ziehen Sie alle Kabel von den Einheiten ab.
5. Schalten Sie die Einheit EIN.	

CAUTION:

Eine verbrauchte Lithiumbatterie nur durch eine Batterie mit der Teilenummer 33F8354 oder eine gleichwertige, vom Hersteller empfohlene Batterie ersetzen. Enthält das System ein Modul mit einer Lithiumbatterie, dieses nur durch ein Modul desselben Typs und von demselben Hersteller ersetzen. Die Batterie enthält Lithium und kann bei unsachgemäßer Verwendung, Handhabung oder Entsorgung explodieren.

Die Batterie nicht:
- mit Wasser in Berührung bringen.
- über 100 C erhitzen.
- reparieren oder zerlegen.

Die örtlichen Bestimmungen für die Entsorgung von Sondermüll beachten.

ACHTUNG:

Bei der Installation von Lasergeräten (wie CD-ROM-Laufwerken, DVD-aufwerken, Einheiten mit Lichtwellenleitertechnik oder Sendern) Folgendes beachten:
- **Die Abdeckungen nicht entfernen. Durch Entfernen der Abdeckungen des Lasergeräts können gefährliche Laserstrahlungen freigesetzt werden. Das Gerät enthält keine zu wartenden Teile.**
- **Werden Steuerelemente, Einstellungen oder Durchführungen von Prozeduren anders als hier angegeben verwendet, kann gefährliche Laserstrahlung auftreten.**

VORSICHT

Einige Lasergeräte enthalten eine Laserdiode der Klasse 3A oder 3B. Beachten Sie Folgendes:

Laserstrahlung bei geöffneter Verkleidung. Nicht in den Strahl blicken. Keine Lupen oder Spiegel verwenden. Strahlungsbereich meiden.

≥18 kg (37 lbs)   ≥32 kg (70.5 lbs)   ≥55 kg (121.2 lbs)

ACHTUNG:

Arbeitsschutzrichtlinien beim Anheben der Maschine beachten.

ACHTUNG:

Mit dem Netzschalter an der Einheit und am Netzteil wird die Stromversorgung für die Einheit nicht unterbrochen. Die Einheit kann auch mit mehreren Netzkabeln ausgestattet sein. Um die Stromversorgung für die Einheit vollständig zu unterbrechen, müssen alle zum Gerät führenden Netzkabel vom Netz getrennt werden.
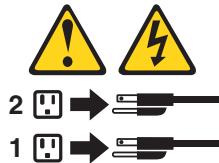
סכנה

זרם חשמלי המועבר בכבלי חשמל, טלפון ותקשורת הוא מסוכן.

כדי להימנע מסכנת התחשמלות:

- אל תחברו או תנתקו כבלים, ואל תבצעו פעולת התקנה, תחזוקה או שינוי תצורה במוצר זה במהלך סופת ברקים.

- חברו את כל כבלי החשמל לשקע חשמל מחווט ומוארק כהלכה.

- חברו כל ציוד שיחובר למוצר זה לשקעי חשמל מחווטים כהלכה.

- במידת האפשר, השתמשו ביד אחת בלבד לחיבור או לניתוק של כבלי אותות.

- לעולם אל תפעילו ציוד כלשהו כאשר יש עדות לנזק מבני או לנזק כתוצאה מאש או ממים.

- נתקו את כבלי החשמל, מערכות התקשורת, התקני הרשת והמודמים המחוברים לפני פתיחת כיסויי ההתקן, אלא אם הליכי ההתקנה וקביעת התצורה מורים אחרת.

- בעת התקנה, העברה או פתיחת כיסויים במוצר זה או בהתקנים המחוברים, חברו ונתקו את הכבלים כמתואר בטבלה שלהלן.

כדי לנתק	כדי לחבר
1. כבו הכל.	1. כבו הכל.
2. ראשית, נתקו את כבלי החשמל מהשקעים.	2. ראשית, חברו את כל הכבלים להתקנים.
3. נתקו את כבלי האותות מהמחברים.	3. חברו את כבלי האותות למחברים.
4. הסירו את כל הכבלים מההתקנים.	4. חברו את כבלי החשמל לשקעים.
	5. הפעילו את ההתקן.

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זהירות:
בעת החלפת סוללת הליתיום, השתמשו רק בסוללה בעלת מק"ט 33F8354 או בסוג תואם שהומלץ על ידי היצרן. אם המערכת כוללת מודול המכיל סוללת ליתיום, החליפו אותו רק במודול מאותו סוג ומתוצרת אותו יצרן. הסוללה מכילה ליתיום, ועלולה להתפוצץ אם לא משתמשים ומטפלים בה או משליכים אותה כיאות.

לעולם:

- אל תטבלו במים

- אל תחממו לטמפרטורה הגבוהה מ-100^OC (212^OF)

- אל תתקנו או תפרקו

השליכו את הסוללה כנדרש לפי התקנות והחוקים המקומיים.

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זהירות:
בעת התקנת מוצרי לייזר (כגון כונני תקליטורים ו-DVD, התקני סיב אופטי או משדרים), שימו לב לאזהרות הבאות:

- אל תסירו את הכיסויים. הסרת הכיסויים של מוצר הלייזר עלולה לגרום לחשיפה לקרינת לייזר מסוכנת. אין חלקים ברי טיפול בתוך ההתקן.
- שינויים, שימוש בבקרות או ביצוע הליכים אחרים מאלה המתוארים כאן, עלולים לגרום לחשיפה לקרינה מסוכנת.

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סכנה

מוצרי לייזר מסוימים מכילים דיודת לייזר מסוג Class 3A או Class 3B. שימו לב לאזהרה הבאה:

כאשר הוא פתוח, המוצר פולט קרינת לייזר. אל תביטו ישירות בקרן, אל תביטו ישירות בעזרת ציוד אופטי, והימענו מחשיפה לקרן.
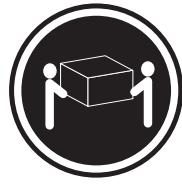
≤ 55 ק"ג (121.2 ליב')　　≤ 32 ק"ג (70.5 ליב')　　≤ 18 ק"ג (37 ליב')

זהירות:
השתמשו בהליכים
הנאותים בעת
הרמת הציוד.

זהירות:
לחצן ההפעלה של ההתקן ומתג ההפעלה של ספק החשמל אינם מפסיקים את זרם החשמל המסופק להתקן.
בנוסף, ההתקן עשוי לכלול יותר מכבל חשמל אחד. כדי לסלק את כל הזרם החשמלי מההתקן,
ודאו שכל כבלי החשמל מנותקים ממקור החשמל.

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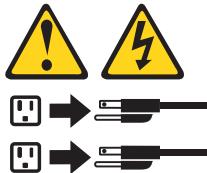
PERICOLO

La corrente elettrica proveniente dai cavi di alimentazione, del telefono e di comunicazione può essere pericolosa.

Per evitare il rischio di scosse elettriche:
- **Non collegare o scollegare qualsiasi cavo oppure effettuare l'installazione, la manutenzione o la riconfigurazione del prodotto durante un temporale.**
- **Collegare tutti i fili elettrici a una presa di alimentazione correttamente cablata e dotata di messa a terra.**
- **Collegare alle prese elettriche appropriate tutte le apparecchiature che verranno utilizzate per questo prodotto.**
- **Se possibile, utilizzare solo una mano per collegare o scollegare i cavi di segnale.**
- **Non accendere assolutamente apparecchiature in presenza di incendi, perdite d'acqua o danno strutturale.**
- **Scollegare i cavi di alimentazione, i sistemi di telecomunicazione, le reti e il modem prima di aprire i coperchi del dispositivo, salvo istruzioni contrarie relative alle procedure di installazione e configurazione.**
- **Collegare e scollegare i cavi come descritto nella seguente tabella quando vengono effettuate operazioni di installazione, spostamento o apertura dei coperchi di questo prodotto o delle unità collegate.**

Per collegarsi	Per scollegarsi
1. SPEGNERE le apparecchiature.	1. SPEGNERE le apparecchiature.
2. Innanzitutto, collegare tutti i cavi alle unità.	2. Innanzitutto, rimuovere i cavi di alimentazione dalla presa.
3. Collegare i cavi di segnale ai connettori.	3. Rimuovere i cavi di segnale dai connettori.
4. Collegare i cavi di alimentazione alla presa.	4. Rimuovere tutti i cavi dalle unità.
5. Accendere l'unità.	

ATTENZIONE:

Quando si sostituisce la batteria al litio, utilizzare solo il Numero parte 33F8354 o un tipo di batteria equivalente consigliato dal produttore. Se sul sistema è presente un modulo che contiene una batteria al litio, sostituirlo solo con un tipo di modulo dello stesso tipo della stessa casa di produzione. La batteria contiene litio e può esplodere se usata, maneggiata o smaltita in modo non corretto.

Non:
- Gettare o immergere la batteria nell'acqua
- Riscaldarla ad una temperatura superiore ai 100 gradi C (212 gradi F)
- Smontarla, ricaricarla o tentare di ripararla

Le batterie usate vanno smaltite in accordo alla normativa in vigore (DPR 915/82 e successive disposizioni e disposizioni locali).

ATTENZIONE:

Quando vengono installati prodotti laser (quali CD-ROM, unità DVD-ROM, unità a fibre ottiche o trasmittenti), tener presente quanto segue:
- Non rimuovere gli sportelli. L'apertura di un'unità laser può determinare l'esposizione a radiazioni laser pericolose. All'interno dell'unità non vi sono parti su cui effettuare l'assistenza tecnica.
- L'utilizzo di controlli, regolazioni o l'esecuzione di procedure non descritti nel presente manuale possono provocare l'esposizione a radiazioni pericolose.

PERICOLO

Alcune unità laser contengono un diodo laser di Classe 3A o Classe 3B. Tener presente quanto segue:

Aprendo l'unità vengono emesse radiazioni laser. Non fissare il fascio, non guardarlo direttamente con strumenti ottici ed evitare l'esposizione al fascio.
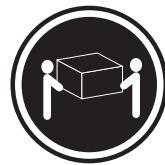
≥18 kg (37 lbs)   ≥32 kg (70.5 lbs)   ≥55 kg (121.2 lbs)

ATTENZIONE:

Prestare attenzione nel sollevare l'apparecchiatura.

ATTENZIONE:

Il pulsante di controllo dell'alimentazione presente sull'unità e l'interruttore dell'alimentatore non disattivano l'alimentazione corrente fornita all'unità. E' possibile che l'unità disponga di più cavi di alimentazione. Per disattivare l'alimentazione dall'unità, accertarsi che tutti i cavi di alimentazione siano scollegati dalla fonte di alimentazione.

2

1
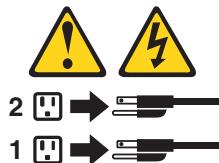
위험

전원, 전화, 통신 케이블의 전류는 위험합니다.

감전의 위험을 피하려면 다음과 같이 하십시오.

- 번개가 치는 날에는 케이블을 연결 또는 분리하거나 본 제품을 설치, 보수, 재구성하지 마십시오.

- 모든 전원 코드는 올바르게 접지된 전기 콘센트에 연결하십시오.

- 본 제품에 연결될 장치는 올바르게 배선된 콘센트에 연결하십시오.

- 신호 케이블을 연결 또는 분리할 때 가능하면 한 손만을 사용하십시오.

- 불 또는 물로 인한 손상이나 구조적인 손상이 있을 경우 장치의 전원을 절대 켜지 마십시오.

- 설치 및 구성 과정에 별도의 지시 사항이 없는 경우, 장치의 덮개를 열기 전에 연결된 전원 코드, 원격 통신 시스템, 네트워크, 모뎀을 분리하십시오.

- 본 제품이나 연결된 장치를 설치, 이동하거나 덮개를 열 때 다음 표와 같은 순서로 케이블을 연결하거나 분리하십시오.

연결할 때:	분리할 때:
1. 모든 장치의 전원을 끄십시오. 2. 먼저 모든 케이블을 장치에 연결하십시오. 3. 커넥터에 신호 케이블을 연결하십시오. 4. 콘센트에 전원 코드를 연결하십시오. 5. 장치의 전원을 켜십시오.	1. 모든 장치의 전원을 끄십시오. 2. 먼저 콘센트에서 전원 코드를 분리하십시오. 3. 커넥터에서 신호 케이블을 분리하십시오. 4. 장치에서 모든 케이블을 분리하십시오.

주의:
배터리를 교환할 때는 Part Number 33F8354 또는 제조업체에서 지정한 동일한 종류의 제품을 사용하십시오.
사용자의 시스템이 리튬 배터리를 포함하는 모듈일 경우, 동일한 제조업체에서 동일한 모듈 유형으로 생산된 제품으로 교체하십시오. 배터리에는 리튬이 함유되어 있어 잘못 사용, 취급 또는 폐기할 경우 폭발의 위험이 있습니다.

사고를 방지하려면 다음 사항을 준수하십시오.

- 배터리를 물 속에 던지거나 침수시키지 마십시오.

- 100℃(212°F) 이상 가열하지 마십시오.

- 수리하거나 분해하지 마십시오.

배터리를 폐기할 때는 법령 또는 회사의 안전 수칙에 따라 폐기하십시오.

주의:
CD-ROM, DVD-ROM 장치, 광섬유 장치 또는 송신 장치와 같은 레이저 제품을 설치할 때,
다음과 같은 취급 주의사항을 참고하십시오.

- 덮개를 열지 마십시오. 덮개를 열면 레이저 복사 에너지에 노출될 위험이 있습니다. 장치 내부에는
  사용자가 조정하거나 수리할 수 있는 부품이 없습니다.

- 규정된 것 이외의 절차 수행, 제어 조정 등의 행위로 인해 해로운 레이저 복사에 노출될 수 있습니다.

위험

일부 장비에는 임베디드 클래스 3A 또는 클래스 3B 레이저 다이오드가 있습니다. 다음 주의사항에 유의하십시오.

드라이브가 열리면 레이저 복사 에너지가 방출됩니다. 광선이 눈에 직접 쏘이지 않도록 하십시오. 나안 또는 광학 기구를
착용한 상태에서 광선을 직접 바라보지 않도록 하십시오.

≥18 kg (37 lbs)   ≥32 kg (70.5 lbs)   ≥55 kg (121.2 lbs)

주의:
제품을 들어 올릴 때
안전 규제를 따르십시오.

주의:
장치의 전원 제어 버튼 및 전원 공급 장치의 전원 스위치를 사용하여 장치에 공급되는 전기를 차단하지 마십시오.
장치는 둘 이상의 코드를 가지고 있을 수 있습니다. 장치에서 모든 전원을 차단하려면 콘센트에서 코드가 모두
분리되어 있는지 확인하십시오.
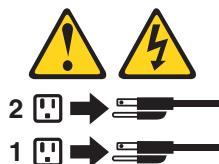
PELIGRO

La corriente eléctrica procedente de cables de alimentación, teléfonos y cables de comunicación puede ser peligrosa.

Para evitar el riesgo de descarga eléctrica:
- **No conecte ni desconecte los cables ni realice ninguna tarea de instalación, mantenimiento o reconfiguración de este producto durante una tormenta eléctrica.**
- **Conecte todos los cables de alimentación a tomas de corriente debidamente cableadas y conectadas a tierra.**
- **Cualquier equipo que se conecte a este producto también debe conectarse a tomas de corriente debidamente cableadas.**
- **Siempre que sea posible, utilice una sola mano para conectar o desconectar los cables de señal.**
- **No encienda nunca un equipo cuando hay señales de fuego, agua o daños estructurales.**
- **Desconecte los cables de alimentación, los sistemas de telecomunicaciones, las redes y los módems conectados antes de abrir las cubiertas de los dispositivos, a menos que se indique lo contrario en los procedimientos de instalación y configuración.**
- **Conecte y desconecte los cables, como se describe en la tabla siguiente, cuando instale, mueva o abra las cubiertas de este producto o de los dispositivos conectados.**

Para conectar	Para desconectar
1. APÁGUELO todo.	1. APÁGUELO todo.
2. En primer lugar, conecte todos los cables a los dispositivos.	2. En primer lugar, desenchufe los cables de alimentación de las tomas de corriente.
3. Conecte los cables de señal a los conectores.	3. Desconecte los cables de señal de los conectores.
4. Enchufe los cables de alimentación a las tomas de corriente.	4. Desconecte todos los cables de los dispositivos.
5. Encienda el dispositivo.	

PRECAUCIÓN:

Cuando sustituya una batería de litio, utilice solamente una batería número de pieza 33F8354 u otra de tipo equivalente recomendada por el fabricante. Si su sistema dispone de un módulo que contiene una batería de litio, reemplácelo sólo con el mismo tipo de módulo, del mismo fabricante. La batería contiene litio y puede explotar si no se utiliza, manipula o desecha correctamente.

No debe:
- Arrojarla al agua o sumergirla en ella
- Exponerla a temperaturas superiores a 100°C (212°F)
- Repararla o desmontarla

Deshágase de la batería según especifiquen las leyes o normas locales.

PRECAUCIÓN:

Cuando haya productos láser (como unidades de CD-ROM, unidades de DVD, dispositivos de fibra óptica o transmisores) instalados, tenga en cuenta lo siguiente:
- No quite las cubiertas. Si quita las cubiertas del producto láser, podría quedar expuesto a radiación láser peligrosa. Dentro del dispositivo no existe ninguna pieza que requiera servicio técnico.
- Si usa controles o ajustes o realiza procedimientos que no sean los especificados aquí, podría exponerse a radiaciones peligrosas.

PELIGRO

Algunos productos láser tienen incorporado un diodo láser de clase 3A o clase 3B. Tenga en cuenta lo siguiente:

Cuando se abre, queda expuesto a radiación láser. No mire directamente al rayo láser, ni siquiera con instrumentos ópticos, y evite exponerse directamente al rayo láser.

≥18 kg (37 lbs)   ≥32 kg (70.5 lbs)   ≥55 kg (121.2 lbs)

PRECAUCIÓN:

Adopte procedimientos seguros al levantar el equipo.

PRECAUCIÓN:

El botón de control de alimentación del dispositivo y el interruptor de alimentación de la fuente de alimentación no desconectan la corriente eléctrica suministrada al dispositivo. Además, el dispositivo podría tener más de un cable de alimentación. Para suprimir toda la corriente eléctrica del dispositivo, asegúrese de que todos los cables de alimentación estén desconectados de la toma de corriente.
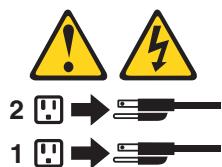
Chapter 3. General information

This chapter provides general information that applies to all the machine types supported by this manual.

Lenovo Care

The Lenovo Care^{SM} program contains information sources and tools designed to make computing easy and secure. It provides easy access to various technologies, such as:

- Rescue and Recovery
- Product Recovery
- System Update

Note: The Lenovo Care is only available on select Lenovo computers.

To access the Lenovo Care, click **Start** → **All Programs** → **ThinkVantage** → **Lenovo Care**.

Additional information resources

If you have Internet access, the most up-to-date information for your computer is available at:
http://www.lenovo.com/support

You can find the following information:
- CRU removal and installation instructions
- Downloads and drivers
- Publications
- Parts information
- Troubleshooting information
- Links to other useful sources of information

Specifications

This section lists the physical specifications for your computer.

For machine types: 7515, 7523, 7569, 7611, 7706, 7717, 7719, 7749, and 7774.

Dimensions
Width: 175 mm (6.9 inches)
Height: 412 mm (16.2 inches)
Depth: 442 mm (17.4 inches)
Weight
Maximum configuration as shipped: 11.2 kg (24.7 lbs)

For machine types: 7522, 7560, 7610, 7705, 7715, 7718, 7721, 7773, and 7799.

Dimensions
Width: 317 mm (12.48 inches)
Height: 99 mm (3.90 inches)
Depth: 355 mm (13.98 inches)
Weight
Maximum configuration as shipped: 7.5 kg (16.53 lbs)

For all machine types

Environment

   Air temperature:

      Operating: 10° to 35°C (50° to 95°F)

      Non-operating: -40° to 60°C (-40° to 140°F) (with package)

      Non-operating: -10° to 60°C (14° to 140°F) (without package)

   Humidity:

      Operating: 10% to 80% (10% per hour, non condensing)

      Non-operating: 10% to 90% (10% per hour, non condensing)

   Maximum altitude:

      Operating: -50 to 10,000 ft (-15.2 to 3048 m)

      Non-operating: -50 to 35,000 ft (-15.2 to 10,668 m)

Electrical input

   Input voltage:

      Low range:

         Minimum: 100 V AC

         Maximum: 127 V AC

         Input frequency range: 50 to 60 Hz

         Voltage-selection switch setting: 115 V AC

      High range:

         Minimum: 200 V AC

         Maximum: 240 V AC

         Input frequency range: 50 to 60 Hz

         Voltage-selection switch setting: 230 V AC

Chapter 4. General checkout

> **Attention**
>
> The drives in the computer you are servicing might have been rearranged or the drive startup sequence changed. Be extremely careful during write operations such as copying, saving, or formatting. Data or programs can be overwritten if you select an incorrect drive.

General error messages appear if a problem or conflict is found by an application program, the operating system, or both. For an explanation of these messages, refer to the information supplied with that software package.

Before replacing any FRUs, ensure that the latest level of BIOS is installed on the system. A down-level BIOS might cause false errors and unnecessary replacement of the system board. For more information on how to determine and obtain the latest level BIOS, see "BIOS levels" on page 379.

Use the following procedure to help determine the cause of the problem:
1. Power-off the computer and all external devices.
2. Check all cables and power cords.
3. Set all display controls to the middle position.
4. Power-on all external devices.
5. Power-on the computer.
   - Look for displayed error codes
   - Listen for beep codes
   - Look for readable instructions or a main menu on the display.

   If you **did not** receive the correct response, proceed to step 6.

   If you **do** receive the correct response, proceed to step 7.
6. Look at the following conditions and follow the instructions:
   - If you hear beep codes during POST, go to "Beep symptoms" on page 76.
   - If the computer displays a POST error, go to "POST error codes" on page 77.
   - If the computer hangs and no error is displayed, continue at step 7.
7. Run the Diagnostic programs. See Chapter 5, "Diagnostics," on page 45.
   - If you receive an error, replace the part that the diagnostic program calls out or go to "Diagnostic error codes" on page 54.
   - If the test stops and you cannot continue, replace the last device tested.

Problem determination tips

Due to the variety of hardware and software combinations that can be encountered, use the following information to assist you in problem determination. If possible, have this information available when requesting assistance from Service Support and Engineering functions.
- Machine type and model
- Processor or hard disk upgrades
- Failure symptom
  - Do diagnostics indicate a failure?

- – What, when, where, single, or multiple systems?
- – Is the failure repeatable?
- – Has this configuration ever worked?
- – If it has been working, what changes were made prior to it failing?
- – Is this the original reported failure?
- Diagnostics version
  - – Type and version level
- Hardware configuration
  - – Print (print screen) configuration currently in use
  - – BIOS level
- Operating system software
  - – Type and version level

Note: To eliminate confusion, identical systems are considered identical only if they:
1. Are the exact machine type and models
2. Have the same BIOS level
3. Have the same adapters/attachments in the same locations
4. Have the same address jumpers/terminators/cabling
5. Have the same software versions and levels
6. Have the same Diagnostic Diskettes (version)
7. Have the same configuration options set in the system
8. Have the same setup for the operating system control files

Comparing the configuration and software setup between "working and non-working" systems will often lead to problem resolution.

Chapter 5. Diagnostics

Diagnostic programs are used to test hardware components of your computer and report operating-system-controlled settings that can cause hardware failures. There are two diagnostic programs preinstalled on your computer:

- Lenovo System Toolbox (used to diagnose problems while running the Microsoft® Windows® operating system)
- PC-Doctor for Windows PE (used when your Windows operating system does not start)

Notes:

1. You can also download the latest version of the Lenovo System Toolbox and PC-Doctor for DOS diagnostic programs from:
http://www.lenovo.com/support
See "Lenovo System Toolbox" and "PC-Doctor for DOS" on page 46 for detailed information.

2. If you are unable to isolate and repair the problem yourself after you run the Lenovo System Toolbox and PC-Doctor for Windows PE, save and print the log files created by both diagnostic programs. You will need the log files when you speak to a Lenovo technical support representative.

Lenovo System Toolbox

The Lenovo System Toolbox is a diagnostic program that works through the Windows operating system and enables you to view symptoms and solutions for computer problems, access the Lenovo troubleshooting center, update system drivers, and review system information.

To run the Lenovo System Toolbox, click **Start** → **All Programs** → **Lenovo Services** → **Lenovo System Toolbox**. Follow the instructions on the screen. For additional information about running the diagnostic program, refer to the Lenovo System Toolbox help system.

If you still suspect a problem after the Lenovo System Toolbox runs successfully, run PC-Doctor for Windows PE to help you diagnose the computer problem.

The Lenovo System Toolbox also has problem determination aids that determine software and usage problems.

PC-Doctor for Windows PE

The PC-Doctor for Windows PE diagnostic program is part of the Rescue and Recovery® workspace on each Lenovo computer. Use PC-Doctor for Windows PE if you are unable to start the Windows operating system or if the Lenovo System Toolbox has not been successful in isolating a possible problem.

Running diagnostics from the Rescue and Recovery workspace

You can run the PC-Doctor for Windows PE diagnostic program from the Rescue and Recovery workspace. To run diagnostics from the Rescue and Recovery workspace, use the following procedure:

1. Shut down the operating system and turn off the computer.
2. Repeatedly press and release the F11 key when you turn on the computer.
3. When you hear beeps or see a logo screen, stop pressing the F11 key. The Rescue and Recovery workspace opens.
4. From the Rescue and Recovery workspace, select **Launch Advanced Rescue and Recovery → Diagnose hardware**.
5. The diagnostic program opens automatically. Select the diagnostic test you want to run. Press the F1 key for additional help.
6. Follow the instructions on the screen.

Note: The rescue media includes the PC-Doctor for Windows PE. For more information about the rescue media, see "Recovering software" in your *ThinkCentre User Guide*.

PC-Doctor for DOS

You can also download the latest version of the PC-Doctor for DOS diagnostic program from:
http://www.lenovo.com/support
The PC-Doctor for DOS diagnostic program runs independently of the Windows operating system. Use PC-Doctor for DOS, if you are unable to start the Windows operating system or if the Lenovo System Toolbox and PC-Doctor for Windows PE have not been successful in isolating a possible problem. You can run PC-Doctor for DOS from a diagnostic CD/DVD image that you create.

Creating a diagnostic CD/DVD image

To create a diagnostic CD/DVD image, download a self-starting bootable CD/DVD image (known as an ISO image) of the diagnostic program from http://www.lenovo.com/support
After you download the image, you can create the CD/DVD using any CD/DVD burning software.

Running diagnostics from the disc

To run diagnostics from the diagnostic CD/DVD image that you created, do the following:

1. Make sure the computer is turned off.
2. Insert the disc into the optical drive.
3. Restart the computer.

   Note: If the diagnostic program does not start, you might not have your optical drive set as a startable device. See "Selecting a startup device" on page 51 for instructions on how to change the startup device.

4. When the diagnostics program opens, follow the instructions on the screen.
5. When the program finishes, be sure to remove the disc from the drive.
6. Select the diagnostic test you want to run. Press the F1 key for additional help.

Navigating through the diagnostics programs

Use the cursor movement keys to navigate within the menus.

- The **Enter** key is used to select a menu item.
- The **Esc** key is used to back up to the previous menu.
- For online help select **F1**.

Running tests

There are four ways to run the diagnostic tests.

- Using the cursor movement keys, highlight **Run Normal Test** or **Run Quick Test** from the Diagnostics menu and then press **Enter**.

  This automatically runs a pre-defined group of tests from each test category. **Run Normal Test** runs a more extensive set of tests than does **Run Quick Test** and takes longer to complete.
- Press **F5** to automatically run all selected tests in all categories.
- From within a test category, press **Ctrl-Enter** to automatically run only the selected tests in that category.
- Using the cursor movement keys, highlight a single test within a test category, and then press **Enter**. This runs only that test.

Press **Esc** at any time to stop the testing process.

Test results (N/A, PASSED, FAILED, ABORTED) are displayed in the field beside the test description and in the test log. See "Viewing the test log" on page 48.

To select one or more tests, use the following procedure.

1. Open the corresponding test category.
2. Using the cursor movement keys, highlight the desired test.
3. Press the space bar.

   A selected test is marked by **>>**. Pressing the space bar again de-selects a test and removes the **>>**.
4. Repeat steps 2 and 3 above to select all desired tests.

Test results

Diagnostics test results produce the following error code format:

Function Code	Failure Type	DeviceID	Date	ChkDigits	Text

- **Function Code:**

  Represents the feature or function within the PC.
- **Failure Type:**

  Represents the type of error encountered.
- **DeviceID:**

  Contains the component's unit-ID which corresponds to either a fixed disk drive, removable media drive, serial or parallel port, processor, specific RIMM, or a device on the PCI bus.
- **Date:**

  Contains the date when the diagnostic test was run. The date is retrieved from CMOS and displayed using the YYYYMMDD format.

- **ChkDigits:**

   Contains a 2-digit check-digit value to ensure the following:
   – Diagnostics were run on the specified date.
   – Diagnostics were run on the specified computer.
   – The diagnostic error code is recorded correctly.
- **Text:**

   Description of the error.

Note: See "Diagnostic error codes" on page 54 for error code listings.

Quick and Full erase - hard drive
The diagnostics program offers two hard drive format utilities:
- Quick Erase Hard Drive
- Full Erase Hard Drive

The Quick Erase Hard Drive provides a DOS utility that performs the following:
- Destroys the Master Boot Record (MBR) on the hard drive.
- Destroys all copies of the FAT Table on all partitions (both the master and backup).
- Destroys the partition table.
- Provides messages that warn the user that this is a non-recoverable process.

The Full Erase Hard Drive provides a DOS utility that performs the following:
- Performs all the steps in Quick Erase.
- Provides a DOS utility that writes random data to all sectors of the hard drive.
- Provides an estimate of time to completion along with a visual representation of completion status.
- Provides messages that warn the user about non-recoverable process.

> **Important:** Make sure that all data is backed up before using the Quick or Full Erase functions.

To select the Quick Erase or Full Erase Hard Drive utility, use the following procedure:
1. Select the UTILITY option on the toolbar and press **Enter**.
2. Select either the QUICK ERASE or FULL ERASE HARD DISK option and follow the instructions.

Viewing the test log
Errors reported by the diagnostic test will be displayed by the program as a failed test.

To view details of a failure or to view a list of test results, use the following procedure from any test category screen:
1. Press **F3** to activate the log file.
2. Press **F3** again to save the file to diskette or press **F2** to print the file.

Chapter 6. Using the Setup Utility

The Setup Utility program is stored in the electrically erasable programmable read-only memory (EEPROM) of your computer. The Setup Utility program is used to view and change the configuration settings of your computer, regardless of which operating system you are using. However, the operating system settings might override any similar settings in the Setup Utility program.

Starting the Setup Utility program

To start the Setup Utility program, do the following:

1. If your computer is already on when you start this procedure, shut down the operating system and turn off the computer.
2. Press and hold the F1 key, and then turn on the computer. When you hear multiple beeps, release the F1 key.

   Notes:

   a. If you are using a USB keyboard and the Setup Utility program does not display using this method, repeatedly press and release the F1 key rather than leaving it pressed when turning on the computer.
   b. If a Power-On Password or a Privileged Access Password has been set, the Setup Utility program menu is not displayed until you type your password. For more information, see "Using passwords."

The Setup Utility might start automatically when POST detects that hardware has been removed or new hardware has been installed in your computer.

Viewing and changing settings

The Setup Utility program menu lists items that identify system configuration topics. To view or change settings, see "Starting the Setup Utility program."

When working with the Setup Utility program menu, you must use the keyboard. The keys used to perform various tasks are displayed at the bottom of each screen.

Using passwords

By using the Setup Utility program, you can set passwords to prevent unauthorized access to your computer and data. The following types of passwords are available:

- Power-On Password
- Privileged Access Password

You do not have to set any passwords to use your computer. However, if you decide to set any passwords, read the following sections.

Password considerations

A password can be any combination of up to 16 (1 to 16) alphabetic and numeric characters (a-z and 0-9). For security reasons, it is recommended to use a strong password that cannot be easily compromised. A strong password should adhere to the following rules:

- Have at least eight characters in length and contain at least one alphabetic character and one numeric character
- Setup Utility program and hard disk drive passwords are not case sensitive
- Not be your name or your user name
- Not be a common word or a common name
- Be significantly different from your previous password

Power-On Password

When a Power-On Password is set, the user is prompted to type a valid password each time the computer is turned on. The computer cannot be used until a valid password is typed in.

Privileged Access Password

Setting a Privileged Access Password deters unauthorized people from changing configuration settings. If you are responsible for maintaining the settings of several computers, you might want to set a Privileged Access Password.

After you set a Privileged Access Password, a password prompt is displayed each time you try to access the Setup Utility program.

If both the Power-On Password and Privileged Access Password are set, you can type either password. However, to change any configuration settings, you must use your Privileged Access Password.

Setting, changing, and deleting a password

To set, change, or delete a password, do the following:

Note: A password can be any combination of up to 16 (1 to 16) alphabetic and numeric characters. For more information, see "Password considerations."

1. Start the Setup Utility program (see Chapter 6, "Using the Setup Utility," on page 49).
2. From the Setup Utility program menu, select **Set Power-On Password** or **Set Privileged Access Password**. Read the information displayed on the right side of the screen.

Enabling or disabling a device

This section provides information on how to enable or disable user access to the following devices:

SATA Controller   When this feature is set to **Disabled**, all devices connected to the SATA connectors (such as hard disk drives or the optical drive) are disabled and will not be displayed in the system configuration.

Floppy A   When this feature is set to **Disabled**, the diskette drive cannot be accessed.

To set the SATA Controller, do the following:

1. Start the Setup Utility program (see "Starting the Setup Utility program" on page 49).
2. From the Setup Utility program menu, select **Devices** → **ATA Drives Setup** → **SATA Controller**.
3. Select the desired settings and press Enter.
4. Return to the Setup Utility program menu and select **Exit** → **Save Changes and Exit**.

   Note: If you do not want to save the settings, select **Discard Changes and Exit**.

To set the Floppy A, do the following:

1. Start the Setup Utility program (see "Starting the Setup Utility program" on page 49).
2. From the Setup Utility program menu, select **Devices** → **Floppy Drive Setup** → **Floppy A**.
3. Select the desired settings and press Enter.
4. Return to the Setup Utility program menu and select **Exit** → **Save Changes and Exit**.

   Note: If you do not want to save the settings, select **Discard Changes and Exit**.

Selecting a startup device

If your computer does not start up from a device such as the CD-ROM, diskette, or hard disk drive as expected, use one of the following procedures to select a startup device.

Selecting a temporary startup device

Use this procedure to startup from any start device.

Note: Not all CDs, hard disk drives, and diskettes are bootable.

1. Turn off your computer.
2. Press and hold the F12 key, and then turn on the computer. When the **Startup Device** Menu appears, release the F12 key.

   Note: If you are using a USB keyboard and the **Startup Device** Menu does not display using this method, repeatedly press and release the F12 key rather than leaving it pressed when turning on the computer.

3. Select the desired startup device from the **Startup Device** Menu and press Enter to begin.

Note: Selecting a startup device from the **Startup Device** menu does not permanently change the startup sequence.

Selecting or changing the startup device sequence

To view or permanently change the configured startup device sequence, do the following:

1. Start the Setup Utility program (see "Starting the Setup Utility program" on page 49).
2. Select **Startup** ⇒ **Startup Sequence**.
3. See the information displayed on the right side of the screen.
4. Select the devices for the Primary Startup Sequence, the Automatic Startup Sequence, and the Error Startup Sequence.
5. From the Setup Utility menu, select **Exit** ⇒ **Save Changes and Exit**.

If you have changed these settings and want to return to the default settings, select **Load Optimal Settings** on the Exit menu.

Advanced settings

On some computer models, the **Advanced settings** menu includes a setting to enable or disable HyperThreading. This feature works only with HyperThreading-aware operating systems, such as Microsoft Windows Vista®. The default setting for HyperThreading is **Enabled**. However, if you select **Set Defaults** and are using an operating system other than Windows Vista, your computer performance might be degraded. Therefore, you should always set HyperThreading to **Disabled** unless you are sure your operating system supports HyperThreading.

Exiting from the Setup Utility program

After you finish viewing or changing settings, press Esc to return to the Setup Utility program menu (you might have to press Esc several times). If you want to save the new settings, select **Exit** ⇒ **Save Changes and Exit**. Otherwise, your changes will not be saved.

Chapter 7. Symptom-to-FRU index

The Symptom-to-FRU index lists error symptoms and possible causes. The most likely cause is listed first. Always begin with Chapter 4, "General checkout," on page 43. This index can also be used to help you decide which FRUs to have available when servicing a computer. If you are unable to correct the problem using this index, go to "Undetermined problems" on page 80.

Notes:
1. If you have both an error message and an incorrect audio response, diagnose the error message first.
2. If you cannot run the diagnostic tests or you get a diagnostic error code when running a test, but did receive a POST error message, diagnose the POST error message first.
3. If you did not receive any error message, look for a description of your error symptoms in the first part of this index.

Hard disk drive boot error

A hard disk drive boot error can have the following causes.

Error	FRU/Action
The start-up drive is not in the boot sequence in configuration.	Check the configuration and ensure the start-up drive is in the boot sequence.
No operating system installed on the boot drive.	Install an operating system on the boot drive.
The boot sector on the start-up drive is corrupted.	The drive must be formatted, do the following: 1. Attempt to back-up the data on the failing hard disk drive. 2. Using the operating systems programs, format the hard disk drive.
The drive is defective.	Replace the hard disk drive.

Power supply problems

If you suspect a power problem, use the following procedures.

Check/Verify	FRU/Action
Check the following for proper installation. • Power Cord • On/Off Switch connector • On/Off Switch Power Supply connector • System Board Power Supply connectors • Microprocessor(s) connection	Reseat connectors
Check the power cord for continuity.	Power Cord
Check the power-on switch for continuity.	Power-on Switch

Diagnostic error codes

Refer to the following diagnostic error codes when using the diagnostic tests. See "Running tests" on page 47 for the specific type for information about the Diagnostic programs.

In the following index, *X* can represent any number.

Diagnostic Error Code	FRU/Action
000-000-XXX BIOS Test Passed	**No action**
000-002-XXX BIOS Timeout	1. **Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380** 2. System board
000-024-XXX BIOS Addressing test failure	1. **Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380** 2. System board
000-025-XXX BIOS Checksum Value error	1. **Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380** 2. System board
000-026-XXX FLASH data error	1. **Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380** 2. System board
000-027-XXX BIOS Configuration/Setup error	1. **Run Setup** 2. Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380 3. System board
000-034-XXX BIOS Buffer Allocation failure	1. **Reboot the system** 2. Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380 3. Run memory test 4. System board
000-035-XXX BIOS Reset Condition detected	1. **Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380** 2. System board
000-036-XXX BIOS Register error	1. **Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380** 2. System board

Diagnostic Error Code	FRU/Action
000-038-XXX BIOS Extension failure	1. **Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380** 2. Adapter card 3. System board
000-039-XXX BIOS DMI data error	1. **Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380** 2. System board
000-195-XXX BIOS Test aborted by user	**Information only** Re-start the test, if necessary
000-196-XXX BIOS test halt, error threshold exceeded	1. **Press F3 to review the log file** 2. Re-start the test to reset the log file
000-197-XXX BIOS test warning	1. **Make sure the component that is called out is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
000-198-XXX BIOS test aborted	1. **Make sure the component that is called out is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Flash the system and retest. See "Updating (flashing) the BIOS from a disc" on page 380 3. Go to "Undetermined problems" on page 80
000-199-XXX BIOS test failed, cause unknown	1. **Go to "Undetermined problems" on page 80** 2. Flash the system and re-test 3. Replace component under function test
000-250-XXX BIOS APM failure	1. **Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380** 2. System board
000-270-XXX BIOS ACPI failure	1. **Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380** 2. System board
001-000-XXX System Test Passed	**No action**
001-00X-XXX System Error	**System board**
001-01X-XXX System Error	**System board**

Diagnostic Error Code	FRU/Action
001-024-XXX System Addressing test failure	**System board**
001-025-XXX System Checksum Value error	1. **Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380** 2. System board
001-026-XXX System FLASH data error	1. **Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380** 2. System board
001-027-XXX System Configuration/Setup error	1. **Run Setup** 2. Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380 3. System board
001-032-XXX System Device Controller failure	**System board**
001-034-XXX System Device Buffer Allocation failure	1. **Reboot the system** 2. Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380 3. Run memory test 4. System board
001-035-XXX System Device Reset condition detected	**System board**
001-036-XXX System Register error	**System board**
001-038-XXX System Extension failure	1. **Adapter card** 2. System board
001-039-XXX System DMI data structure error	1. **Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380** 2. System board
001-040-XXX System IRQ failure	1. **Power-off/on system and re-test** 2. System board
001-041-XXX System DMA failure	1. **Power-off/on system and re-test** 2. System board
001-195-XXX System Test aborted by user	**Information only** Re-start the test, if necessary
001-196-XXX System test halt, error threshold exceeded	1. **Press F3 to review the log file** 2. Re-start the test to reset the log file

Diagnostic Error Code	FRU/Action
001-197-XXX System test warning	1. **Make sure the component that is called out is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
001-198-XXX System test aborted	1. **If a component is called out, make sure it is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Flash the system and retest. See "Updating (flashing) the BIOS from a disc" on page 380 3. Go to "Undetermined problems" on page 80
001-199-XXX System test failed, cause unknown	1. Go to "Undetermined problems" on page 80 2. Flash the system and re-test 3. Replace component under function test
001-250-XXX System ECC error	**System board**
001-254-XXX **001-255-XXX** **001-256-XXX** **001-257-XXX** System DMA error	**System board**
001-260-XXX **001-264-XXX** System IRQ error	**System board**
001-268-XXX System IRQ1 failure	1. **Device on IRQ1** 2. System board
001-269-XXX System IRQ2 failure	1. **Device on IRQ2** 2. System board
001-270-XXX System IRQ3 failure	1. **Device on IRQ3** 2. System board
001-271-XXX System IRQ4 failure	1. **Device on IRQ4** 2. System board
001-272-XXX System IRQ5 failure	1. **Device on IRQ5** 2. System board
001-273-XXX System IRQ6 (diskette drive) failure	1. **Diskette Cable** 2. Diskette drive 3. System board
001-274-XXX System IRQ7 failure	1. **Device on IRQ7** 2. System board

Diagnostic Error Code	FRU/Action
001-275-XXX System IRQ8 failure	1. **Device on IRQ8** 2. System board
001-276-XXX System IRQ9 failure	1. **Device on IRQ9** 2. System board
001-277-XXX System IRQ10 failure	1. **Device on IRQ10** 2. System board
001-278-XXX System IRQ11 failure	1. **Device on IRQ11** 2. System board
001-279-XXX System IRQ12 failure	1. **Device on IRQ12** 2. System board
001-280-XXX System IRQ13 failure	1. **Device on IRQ13** 2. System board
001-281-XXX System IRQ14 (hard disk drive) failure	1. **Hard disk drive cable** 2. Hard disk drive 3. System board
001-282-XXX System IRQ15 failure	1. **Device on IRQ15** 2. System board
001-286-XXX **001-287-XXX** **001-288-XXX** System Timer failure	**System board**
001-292-XXX System CMOS RAM error	1. **Run Setup and re-test** 2. System board
001-293-XXX System CMOS Battery	1. **CMOS Battery** 2. System board
001-298-XXX System RTC date/time update failure	1. **Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380** 2. System board
001-299-XXX System RTC periodic interrupt failure	**System board**
001-300-XXX System RTC Alarm failure	**System board**
001-301-XXX System RTC Century byte error	1. **Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380** 2. System board
005-000-XXX Video Test Passed	**No action**
005-00X-XXX Video error	1. **Video card, if installed** 2. System board

Diagnostic Error Code	FRU/Action
005-010-XXX **005-011-XXX** **005-012-XXX** **005-013-XXX** Video Signal failure	1. **Video card, if installed** 2. System board
005-016-XXX Video Simple Pattern test failure	1. **Video Ram** 2. Video card, if installed 3. System board
005-024-XXX Video Addressing test failure	1. **Video card, if installed** 2. System board
005-025-XXX Video Checksum Value error	1. **Video card, if installed** 2. System board
005-027-XXX Video Configuration/Setup error	1. **Run Setup** 2. Video drivers update 3. Video card, if installed 4. System board
005-031-XXX Video Device Cable failure	1. **Video cable** 2. Monitor 3. Video card, if installed 4. System board
005-032-XXX Video Device Controller failure	1. **Video card, if installed** 2. System board
005-036-XXX Video Register error	1. **Video card, if installed** 2. System board
005-038-XXX System BIOS extension failure	1. **Video card, if installed** 2. System board
005-040-XXX Video IRQ failure	1. **Video card, if installed** 2. System board
005-195-XXX Video Test aborted by user	**Information only** Re-start the test, if necessary
005-196-XXX Video test halt, error threshold exceeded	1. **Press F3 to review the log file** 2. Re-start the test to reset the log file
005-197-XXX Video test warning	1. **Make sure the component that is called out is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Re-run test 3. Replace the component called out in warning statement 4. Replace the component under test

Diagnostic Error Code	FRU/Action
005-198-XXX Video test aborted	1. **If a component is called out, make sure it is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Go to "Undetermined problems" on page 80
005-199-XXX Video test failed, cause unknown	1. Go to "Undetermined problems" on page 80 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Replace component under function test
005-2XX-XXX **005-3XX-XXX** Video subsystem error	1. **Video card, if installed** 2. System board
006-000-XXX Diskette interface Test Passed	**No action**
006-0XX-XXX Diskette interface error	1. **Diskette drive Cable** 2. Diskette drive 3. System board
006-195-XXX Diskette interface Test aborted by user	**Information only** Re-start the test, if necessary
006-196-XXX Diskette interface test halt, error threshold exceeded	1. **Press F3 to review the log file** 2. Re-start the test to reset the log file
006-197-XXX Diskette interface test warning	1. **If a component is called out, make sure it is connected and/or enabled** 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
006-198-XXX Diskette interface test aborted	1. **If a component is called out, make sure it is connected and/or enabled** 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Go to "Undetermined problems" on page 80
006-199-XXX Diskette interface test failed, cause unknown	1. Go to "Undetermined problems" on page 80 2. Flash the system and re-test 3. Replace component under function test
006-25X-XXX Diskette interface Error	1. **Diskette drive cable** 2. Diskette drive 3. System board

Diagnostic Error Code	FRU/Action
011-000-XXX Serial port Interface Test Passed	**No action**
011-001-XXX Serial port Presence	1. **Remove external serial device, if present** 2. Run setup, enable port 3. System board
011-002-XXX **011-003-XXX** Serial port Timeout/Parity error	**System board**
011-013-XXX **011-014-XXX** Serial port Control Signal/Loopback test failure	**System board**
011-015-XXX Serial port External Loopback failure	1. **Wrap plug** 2. System board
011-027-XXX Serial port Configuration/Setup error	1. **Run Setup, enable port** 2. Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380 3. System board
011-03X-XXX **011-04X-XXX** Serial port failure	**System board**
011-195-XXX Serial port Test aborted by user	**Information only** Re-start the test, if necessary
011-196-XXX Serial port test halt, error threshold exceeded	1. **Press F3 to review the log file** 2. Re-start the test to reset the log file
011-197-XXX Serial port test warning	1. **Make sure the component that is called out is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
011-198-XXX Serial port test aborted	1. **If a component is called out, make sure it is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Go to "Undetermined problems" on page 80

Diagnostic Error Code	FRU/Action
011-199-XXX Serial port test failed, cause unknown	1. Go to "Undetermined problems" on page 80 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Replace component under function test
011-2XX-XXX Serial port signal failure	1. **External serial device** 2. System board
014-000-XXX Parallel port Interface Test Passed	**No action**
014-001-XXX Parallel port Presence	1. **Remove external parallel device, if present** 2. Run setup, enable port 3. System board
014-002-XXX **014-003-XXX** Parallel port Timeout/Parity error	**System board**
014-013-XXX **014-014-XXX** Parallel port Control Signal/Loopback test failure	**System board**
014-015-XXX Parallel port External Loopback failure	1. **Wrap plug** 2. System board
014-027-XXX Parallel port Configuration/Setup error	1. **Run Setup, enable port** 2. Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380 3. System board
014-03X-XXX **014-04X-XXX** Parallel port failure	**System board**
014-195-XXX Parallel port Test aborted by user	**Information only** Re-start the test, if necessary
014-196-XXX Parallel port test halt, error threshold exceeded	1. **Press F3 to review the log file** 2. Re-start the test to reset the log file
014-197-XXX Parallel port test warning	1. **Make sure the component that is called out is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test

Diagnostic Error Code	FRU/Action
014-198-XXX Parallel port test aborted	1. **If a component is called out, make sure it is connected and/or enabled** 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Go to "Undetermined problems" on page 80
014-199-XXX Parallel port test failed, cause unknown	1. Go to "Undetermined problems" on page 80 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Replace component under function test
014-2XX-XXX **014-3XX-XXX** Parallel port failure	1. **External parallel device** 2. System board
015-000-XXX USB port Interface Test Passed	**No action**
015-001-XXX USB port Presence	1. **Remove USB device(s) and re-test** 2. System board
015-002-XXX USB port Timeout	1. **Remove USB device(s) and re-test** 2. System board
015-015-XXX USB port External Loopback failure	1. **Remove USB device(s) and re-test** 2. System board
015-027-XXX USB port Configuration/Setup error	1. **Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380** 2. System board
015-032-XXX USB port Device Controller failure	**System board**
015-034-XXX USB port buffer allocation failure	1. **Reboot the system** 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Run memory test 4. System board
015-035-XXX USB port Reset condition detected	1. **Remove USB device(s) and re-test** 2. System board
015-036-XXX USB port Register error	**System board**
015-040-XXX USB port IRQ failure	1. **Run setup and check for conflicts** 2. Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380 3. System board
015-195-XXX USB port Test aborted by user	**Information only** Re-start the test, if necessary

Diagnostic Error Code	FRU/Action
015-196-XXX USB port test halt, error threshold exceeded	1. **Press F3 to review the log file** 2. Re-start the test to reset the log file
015-197-XXX USB port test warning	1. **Make sure the component that is called out is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
015-198-XXX USB port test aborted	1. **If a component is called out, make sure it is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Go to "Undetermined problems" on page 80
015-199-XXX USB port test failed, cause unknown	1. Go to "Undetermined problems" on page 80 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Replace component under function test
018-000-XXX PCI Card Test Passed	**No action**
018-0XX-XXX PCI Card Failure	1. **Riser card, if installed** 2. System board
018-195-XXX PCI Card Test aborted by user	1. **PCI card** 2. **Information only** Re-start the test, if necessary
018-196-XXX PCI Card test halt, error threshold exceeded	1. **Press F3 to review the log file** 2. Re-start the test to reset the log file
018-197-XXX PCI Card test warning	1. **Make sure the component that is called out is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test

Diagnostic Error Code	FRU/Action
018-198-XXX PCI Card test aborted	1. **If a component is called out, make sure it is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Go to "Undetermined problems" on page 80
018-199-XXX PCI Card test failed, cause unknown	1. Go to "Undetermined problems" on page 80 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Replace component under function test
018-250-XXX PCI Card Services error	1. **PCI card** 2. Riser card, if installed 3. System board
020-000-XXX PCI Interface Test Passed	**No action**
020-0XX-XXX PCI Interface error	1. **PCI card** 2. Riser card, if installed 3. System board
020-195-XXX PCI Test aborted by user	**Information only** Re-start the test, if necessary
020-196-XXX PCI test halt, error threshold exceeded	1. **Press F3 to review the log file** 2. Re-start the test to reset the log file
020-197-XXX PCI test warning	1. **Make sure the component that is called out is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
020-198-XXX PCI test aborted	1. **If a component is called out, make sure it is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Go to "Undetermined problems" on page 80

Diagnostic Error Code	FRU/Action
020-199-XXX PCI test failed, cause unknown	1. Go to "Undetermined problems" on page 80 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Replace component under function test
020-262-XXX PCI system error	1. **PCI card** 2. Riser card, if installed 3. System board
025-000-XXX IDE interface Test Passed	**No action**
025-00X-XXX **025-01X-XXX** IDE interface failure	1. **IDE signal cable** 2. Check power supply voltages 3. Reseat IDE signal cable 4. IDE device 5. System board
025-027-XXX IDE interface Configuration/Setup error	1. **IDE signal cable** 2. Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380 3. Reseat IDE signal cable 4. IDE device 5. System board
025-02X-XXX **025-03X-XXX** **025-04X-XXX** IDE Interface failure	1. **IDE signal cable** 2. Check power supply 3. Reseat IDE signal cable 4. IDE device 5. System board
025-195-XXX IDE interface Test aborted by user	**Information only** Re-start the test, if necessary
025-196-XXX IDE interface test halt, error threshold exceeded	1. **Press F3 to review the log file** 2. Re-start the test to reset the log file
025-197-XXX IDE interface test warning	1. **Make sure the component that is called out is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test

Diagnostic Error Code	FRU/Action
025-198-XXX IDE interface test aborted	1. **If a component is called out, make sure it is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Go to "Undetermined problems" on page 80
025-199-XXX IDE interface test failed, cause unknown	1. Go to "Undetermined problems" on page 80 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Replace component under function test
030-000-XXX SCSI interface Test Passed	**No action**
030-00X-XXX **030-01X-XXX** SCSI interface failure	1. **SCSI signal cable** 2. Check power supply 3. SCSI device 4. SCSI adapter card, if installed 5. System board
030-027-XXX SCSI interface Configuration/Setup error	1. **SCSI signal cable** 2. Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380 3. SCSI device 4. SCSI adapter card, if installed 5. System board
030-03X-XXX **030-04X-XXX** SCSI interface error	1. **SCSI signal cable** 2. Check power supply 3. SCSI device 4. SCSI adapter card, if installed 5. System board
030-195-XXX SCSI interface Test aborted by user	**Information only** Re-start the test, if necessary
030-196-XXX SCSI interface test halt, error threshold exceeded	1. **Press F3 to review the log file** 2. Re-start the test to reset the log file
030-197-XXX SCSI interface test warning	1. **Make sure the component that is called out is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test

Diagnostic Error Code	FRU/Action
030-198-XXX SCSI interface test aborted	1. **If a component is called out, make sure it is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Go to "Undetermined problems" on page 80
030-199-XXX SCSI interface test failed, cause unknown	1. Go to "Undetermined problems" on page 80 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Replace component under function test
035-000-XXX RAID interface Test Passed	**No action**
035-0XX-XXX RAID interface Failure	1. **RAID signal cable** 2. RAID device 3. RAID adapter card, if installed 4. System board
035-195-XXX RAID interface Test aborted by user	**Information only** Re-start the test, if necessary
035-196-XXX RAID interface test halt, error threshold exceeded	1. **Press F3 to review the log file** 2. Re-start the test to reset the log file
035-197-XXX RAID interface test warning	1. **Make sure the component that is called out is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
035-198-XXX RAID interface test aborted	1. **If a component is called out, make sure it is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Go to "Undetermined problems" on page 80
035-199-XXX RAID interface test failed, cause unknown	1. See "Undetermined problems" on page 80 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Replace component under function test

Diagnostic Error Code	FRU/Action
071-000-XXX Audio port Interface Test Passed	**No action**
071-00X-XXX **071-01X-XXX** **071-02X-XXX** Audio port error	1. **Run Setup** 2. Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380 3. System board
071-03X-XXX Audio port failure	1. **Speakers** 2. Microphone 3. Audio card, if installed 4. System board
071-04X-XXX Audio port failure	1. **Run Setup** 2. Audio card, if installed 3. System board
071-195-XXX Audio port Test aborted by user	**Information only** Re-start the test, if necessary
071-196-XXX Audio port test halt, error threshold exceeded	1. **Press F3 to review the log file** 2. Re-start the test to reset the log file
071-197-XXX Audio port test warning	1. **Make sure the component that is called out is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
071-198-XXX Audio port test aborted	1. **If a component is called out, make sure it is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Go to "Undetermined problems" on page 80
071-199-XXX Audio port test failed, cause unknown	1. **See "Undetermined problems" on page 80** 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Replace component under function test
071-25X-XXX Audio port failure	1. **Speakers** 2. Audio card, if installed 3. System board
080-000-XXX Game Port interface Test Passed	**No action**

Diagnostic Error Code	FRU/Action
080-XXX-XXX Game Port interface Error	1. **Remove the game port device and re-test the system**
080-195-XXX Game Port interface Test aborted by user	**Information only** Re-start the test, if necessary
080-196-XXX Game Port interface test halt, error threshold exceeded	1. **Press F3 to review the log file** 2. Re-start the test to reset the log file
080-197-XXX Game Port interface test warning	1. **Make sure the component that is called out is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
080-198-XXX Game Port interface test aborted	1. **If a component is called out, make sure it is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Go to "Undetermined problems" on page 80
080-199-XXX Game Port interface test failed, cause unknown	1. See "Undetermined problems" on page 80 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Replace component under function test
086-000-XXX Mouse Port interface Test Passed	**No action**
086-001-XXX Mouse Port interface Presence	1. **Mouse** 2. System board
086-032-XXX Mouse Port interface Device controller failure	1. **Mouse** 2. System board
086-035-XXX Mouse Port interface Reset	1. **Mouse** 2. System board
086-040-XXX Mouse Port interface IRQ failure	1. **Run Setup** 2. Mouse 3. System board
086-195-XXX Mouse Port interface Test aborted by user	**Information only** Re-start the test, if necessary
086-196-XXX Mouse Port interface test halt, error threshold exceeded	1. **Press F3 to review the log file** 2. Re-start the test to reset the log file

Diagnostic Error Code	FRU/Action
086-197-XXX Mouse Port interface test warning	1. **Make sure the component that is called out is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
086-198-XXX Mouse Port interface test aborted	1. **If a component is called out, make sure it is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Go to "Undetermined problems" on page 80
086-199-XXX Mouse Port interface test failed, cause unknown	1. See "Undetermined problems" on page 80 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Replace component under function test
089-000-XXX Microprocessor Test Passed	**No action**
089-XXX-XXX Microprocessor failure	1. **Microprocessor(s)** 2. System board
089-195-XXX Microprocessor Test aborted by user	**Information only** Re-start the test, if necessary
089-196-XXX Microprocessor test halt, error threshold exceeded	1. **Press F3 to review the log file** 2. Re-start the test to reset the log file
089-197-XXX Microprocessor test warning	1. **Make sure the component that is called out is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
089-198-XXX Microprocessor test aborted	1. **Flash the system. See "Updating (flashing) the BIOS from a disc" on page 380** 2. Go to "Undetermined problems" on page 80

Diagnostic Error Code	FRU/Action
089-199-XXX Microprocessor test failed, cause unknown	1. See "Undetermined problems" on page 80 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Replace component under function test
170-000-XXX Voltage Sensor(s) Test Passed	**No action**
170-0XX-XXX Voltage Sensor(s) failure	1. **Flash system** 2. System board
170-195-XXX Voltage Sensor(s) Test aborted by user	**Information only** Re-start the test, if necessary
170-196-XXX Voltage Sensor(s) test halt, error threshold exceeded	1. **Press F3 to review the log file** 2. Re-start the test to reset the log file
170-197-XXX Voltage Sensor(s) test warning	1. **Make sure the component that is called out is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
170-198-XXX Voltage Sensor(s) test aborted	1. **If a component is called out, make sure it is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Go to "Undetermined problems" on page 80
170-199-XXX Voltage Sensor(s) test failed, cause unknown	1. **See "Undetermined problems" on page 80** 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Replace component under function test
170-250-XXX **170-251-XXX** Voltage Sensor(s) Voltage limit error	1. **Power supply** 2. System board
170-254-XXX Voltage Sensor(s) Voltage Regulator Module error	1. **Voltage Regulator Module (VRM)** 2. Microprocessor 3. System board
175-000-XXX Thermal Sensor(s) Test Passed	**No action**
175-0XX-XXX Thermal Sensor(s) failure	1. **Flash system** 2. System board

Diagnostic Error Code	FRU/Action
175-195-XXX Thermal Sensor(s) Test aborted by user	**Information only** Re-start the test, if necessary
175-196-XXX Thermal Sensor(s) test halt, error threshold exceeded	1. **Press F3 to review the log file** 2. Re-start the test to reset the log file
175-197-XXX Thermal Sensor(s) test warning	1. **Make sure the component that is called out is connected and/or enabled. See Chapter 6, "Using the Setup Utility," on page 49** 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
175-198-XXX Thermal Sensor(s) test aborted	1. **If a component is called out, make sure it is connected and/or enabled** 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Go to "Undetermined problems" on page 80
175-199-XXX Thermal Sensor(s) test failed, cause unknown	1. **See "Undetermined problems" on page 80** 2. Flash the system and re-test. See "Updating (flashing) the BIOS from a disc" on page 380 3. Replace component under function test
175-250-XXX **175-251-XXX** Thermal Sensor(s) limit error	1. **Check fans** 2. Check Power supply voltages 3. Microprocessor 4. System board
185-000-XXX Asset Security Test Passed	**No action**
185-XXX-XXX Asset Security failure	1. **Flash system** 2. System board
185-278-XXX Asset Security Chassis Intrusion	1. **Assure Asset Security Enabled** 2. C2 Cover Switch 3. System board
201-000-XXX System Memory Test Passed	**No action**
201-XXX-XXX System Memory error	1. **Replace the memory module called out by the test** 2. System board
202-000-XXX System Cache Test Passed	**No action**
202-XXX-XXX System Cache error	1. **Cache, if removable** 2. System board 3. Microprocessor

Diagnostic Error Code	FRU/Action
206-000-XXX Diskette Drive Test Passed	**No action**
206-XXX-XXX Diskette Drive error	1. **Diskette Drive Cable** 2. Check power supply voltages 3. Diskette drive 4. System board
215-000-XXX CD-ROM Drive Test Passed	**No action**
215-XXX-XXX CD-ROM Drive error	1. **CD-ROM Drive Cable** 2. Check power supply voltages 3. CD-ROM drive 4. System board
217-000-XXX Hard Disk Drive Test Passed	**No action**
217-25X-XXX **217-26X-XXX** Hard Disk Drive (IDE) error	1. **Hard Disk Drive Cable** 2. Check power supply voltages 3. Reseat the hard disk drive cable 4. Hard Disk drive (IDE) 5. System board
217-28X-XXX **217-29X-XXX** Hard Disk Drive (SCSI) error	1. **Hard Disk Drive Cable** 2. Check power supply voltages 3. Reseat the hard disk drive cable 4. Hard Disk drive (SCSI) 5. SCSI adapter card 6. System board
220-000-XXX Hi-Capacity Cartridge Drive Test Passed	**No action**
220-XXX-XXX Hi-Capacity Cartridge Drive error	1. **Remove the Hi-Capacity Cartridge Drive and re-test the system**
301-XXX-XXX Keyboard error	1. **Keyboard** 2. Check and test mouse 3. System board
301-000-XXX Keyboard Test Passed	**No action**
302-000-XXX Mouse Test Passed	**No action**
302-XXX-XXX Mouse error	1. **Mouse** 2. Check and test Keyboard 3. System board
303-000-XXX Joystick Test Passed	**No action**
303-XXX-XXX Joystick error	**Remove the Joystick and re-test the system**
305-000-XXX Monitor DDC Test Passed	**No action**

Diagnostic Error Code	FRU/Action
305-250-XXX Monitor DDC self test failure	1. **Run Setup to enable DDC** 2. Cable 3. Monitor 4. Video card 5. System board
415-000-XXX Modem Test Passed	**No action**
415-XXX-XXX Modem error	**Remove the Modem and re-test the system**

Beep symptoms

Beep symptoms are tones or a series of tones separated by pauses (intervals without sound) during POST.

The following tables describes beep symptoms.

Beep Symptom	FRU/Action
2 short beeps CMOS setting error	Perform the following actions in order. 1. Start the Setup Utility program and press F10 to Save and exit. See Chapter 6, "Using the Setup Utility," on page 49. 2. Start the Setup Utility program and press F7 to load defaults and then press F10 to Save and exit. 3. Perform a Boot-block recovery. See "Recovering from a POST/BIOS update failure" on page 380.
1 long and 2 short beeps Monitor or video adapter card error	Perform the following actions in order. 1. Make sure the monitor is properly connected to the computer. 2. Replace the video adapter card (if present). 3. Replace the system board.
1 long and 3 short beeps Keyboard error	Perform the following actions in order. 1. Make sure the keyboard is properly connected to the keyboard connector. 2. Replace the keyboard. 3. Replace the system board.
1 long and 9 short beeps BIOS ROM error	Perform the following actions in order. 1. Start the Setup Utility program and press F7 to load defaults and then press F10 to Save and exit. See Chapter 6, "Using the Setup Utility," on page 49. 2. Perform a Boot-block recovery. See "Recovering from a POST/BIOS update failure" on page 380. 3. Replace the system board.
Continuos long beeps DRAM memory error	Perform the following actions in order. 1. Make sure the memory module(s) are properly seated in the connector(s). 2. Replace the memory module(s). 3. Replace the system board.

POST error codes

Each time you power-on the system, it performs a series of tests that check the operation of the system and some options. This series of tests is called the *Power-On Self-Test*, or *POST*. POST does the following operations.

- Checks some basic system-board operations
- Checks the memory operation
- Starts the video operation
- Verifies that the boot drive is working

If the POST detects a problem, an error message appears on the screen. A single problem can cause several error messages to appear. When you correct the cause of the first error message, the other error messages probably will not appear on the screen the next time you turn on the system.

POST Error Message	Description/Action
CMOS battery failed	The CMOS battery is no longer functional. Replace the battery.
CMOS checksum error - defaults loaded	Checksum of CMOS is incorrect. The computer loads the default configuration settings. This error might indicate that CMOS has become corrupt due to a weak CMOS battery.
CPU at nnnn	nnnn is the running speed of the microprocessor.
Press Esc to skip memory test	Pressing Esc skips the full memory test
HARD DISK INSTALL FAILURE	Cannot find or initialize the hard disk drive controller or the drive. Make sure the hard disk drive is correctly installed. If no hard disk drives are installed, make sure the hard disk drive selection in Setup is set to NONE.
Keyboard error or no keyboard present	Cannot initialize the keyboard. Make sure the keyboard is properly connected to the computer and that no keys are held pressed during POST. To purposely configure the computer without a keyboard, set the error halt condition in Setup to HALT ON ALL, BUT KEYBOARD. The BIOS then ignores the missing keyboard during POST.
Memory Test:	This message displays during a full memory test, counting down the memory areas being tested.
Memory test fail	If POST detects an error during memory testing, additional information appears. This information gives specifics about the type and location of the memory error.

POST Error Message	Description/Action
Press TAB to show POST screen	Pressing the TAB key permits the user to toggle between the default POST display screen and a custom POST display screen.
Error: Non-System disk or disk error Replace and press any key when ready	The BIOS was unable to find a suitable boot device. Make sure the boot drive is properly connected to the computer. Make sure you have bootable media.

Miscellaneous error messages

Message/Symptom	FRU/Action
Changing display colors	**Display/Monitor**
Computer will *not* power-off. See "Power supply problems" on page 53.	1. **Power Switch** 2. System Board 3. Riser card, if installed
Computer will *not* RPL from server	1. **Ensure that network is in startup sequence as first device or first device after diskette** 2. Ensure that network adapter is enabled for RPL 3. Network adapter (Advise network administrator of new MAC address)
Computer will *not* perform a Wake on LAN® (if applicable)	1. **Check power supply and signal cable connections to network adapter** 2. Ensure that the operating system settings are set to enable Wake on LAN 3. Ensure Wake on LAN feature is enabled in Setup/Configuration (see "Starting the Setup Utility program" on page 49) 4. Ensure network administrator is using correct MAC address 5. Ensure no interrupt or I/O address conflicts 6. Network adapter (advise network administrator of new MAC address)
Dead computer. See "Power supply problems" on page 53.	1. **Power Supply** 2. System Board
Diskette drive in-use light remains on or does not light when drive is active.	1. **Diskette Drive** 2. System Board 3. Diskette Drive Cable
Flashing cursor with an otherwise blank display.	1. **System Board** 2. Primary Hard Disk Drive 3. Hard Disk Drive Cable
Incorrect memory size during POST	1. **Run the Memory tests** 2. Memory Module 3. System Board
"Insert a Diskette" icon appears with a known-good diagnostics diskette in the first 3.5-inch diskette drive.	1. **System Board** 2. Diskette Drive Cable 3. Network Adapter
Intensity or color varies from left to right of characters and color bars	1. **Display** 2. Video adapter (if present) 3. System Board
No power or fan not running	1. **See "Power supply problems" on page 53.**

Message/Symptom	FRU/Action
Non-system disk or disk error-type message with a known-good diagnostic diskette.	1. **Diskette Drive** 2. System Board 3. Diskette Drive Cable
Other display symptoms not listed above (including blank or illegible display)	1. **Display** 2. System Board
Power-on indicator or hard disk drive in-use light not on, but computer works correctly	1. Power switch/LED assembly 2. System Board
Printer problems	1. **Printer** 2. System Board
Program loads from the hard disk with a known-good diagnostics diskette in the first 3.5-inch diskette drive	1. **Run Setup** and check Startup sequence. 2. Diskette Drive 3. Diskette Drive Cable 4. System Board 5. Power Supply

RPL computer cannot access programs from its own hard disk.	1. **If network administrator is using LCCM Hybrid RPL, check startup sequence:**
	  a. **First device - network**
	  b. **Second device - hard disk**
	2. Hard disk drive

RPL computer does not RPL from server	1. **Check startup sequence** 2. Check the network adapter LED status
Serial or parallel port device failure (system board port)	1. **External Device Self-Test OK?** 2. External Device 3. Cable 4. System Board
Serial or parallel port device failure (adapter port)	1. **External Device Self-Test OK?** 2. External Device 3. Cable 4. Alternate Adapter 5. System Board
Some or all keys on the keyboard do not work	1. **Keyboard** 2. Keyboard Cable 3. System Board

Undetermined problems

If this computer has a parallel ATA hard disk drive, make sure that the hard disk drive is jumpered as a master and the optical drive is jumpered as a slave.

1. Power-off the computer.
2. Remove or disconnect the following components (if installed) one at a time.
   a. External devices (modem, printer, or mouse)
   b. Any adapters

    c. Memory modules

    d. Extended video memory

    e. External Cache

    f. External Cache RAM

    g. Hard disk drive

    h. Diskette drive

3. Power-on the computer to re-test the system.

4. Repeat steps 1 through 3 until you find the failing device or adapter.

If all devices and adapters have been removed, and the problem continues, replace the system board.

Chapter 8. Replacing FRUs (Machine Types: 7515, 7523, 7569, 7611, 7706, 7717, 7719, 7749, and 7774.)

Important

Be sure to read and understand the Chapter 2, "Safety information," on page 3 before replacing any FRU. These precautions and guidelines will help you work safely.

FRU replacements are to be done only by trained service technicians.

This chapter does not contain the install, remove or replace procedure for all FRUs. Only the major FRUs are documented.

Locating connectors on the front of your computer

Figure 1 shows the location of the connectors on the front of your computer.

Note: Not all computer models have the following connectors.
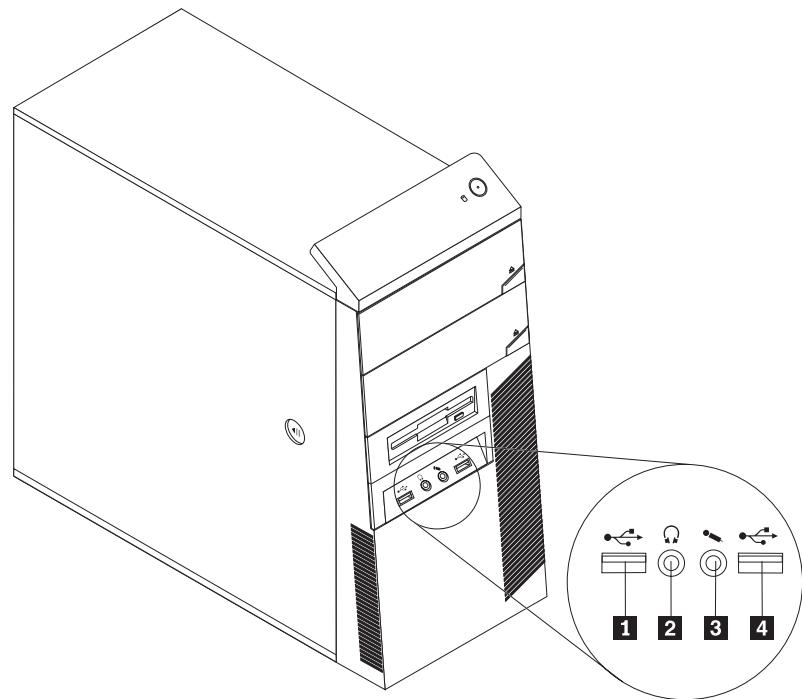
Figure 1. Front connector locations

1 USB connector		**3** Microphone connector	
2 Headphone connector		**4** USB connector	

Locating connectors on the rear of your computer

Figure 2 shows the location of the connectors on the rear of your computer. Some connectors on the rear of your computer are color-coded to help you determine where to connect the cables on your computer.
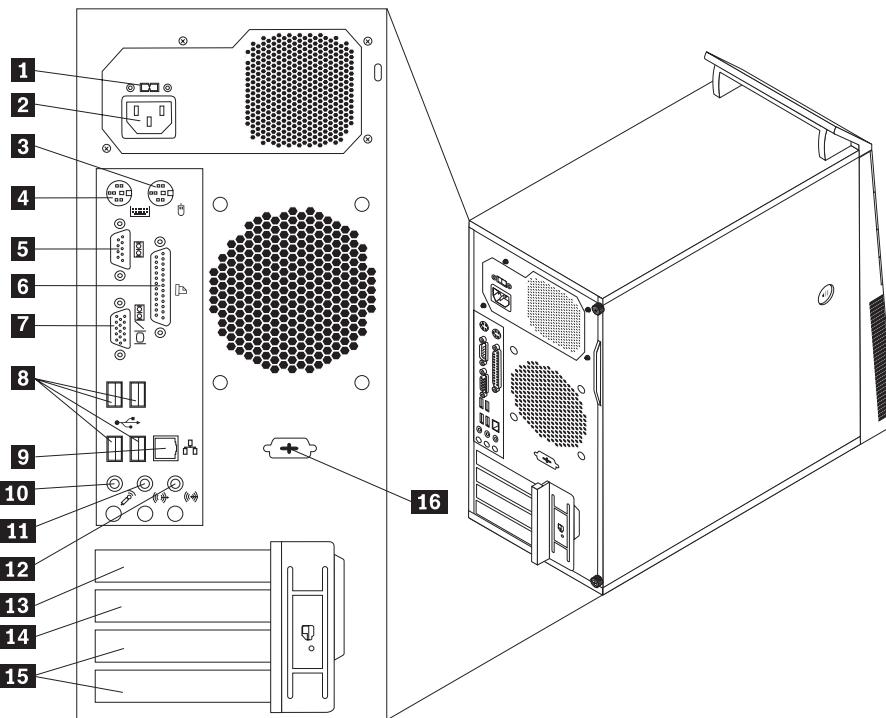
Figure 2. Rear connector locations

1 Voltage-selection switch (some models)
2 Power cord connector
3 Standard mouse connector
4 Standard keyboard connector
5 Serial port
6 Parallel port
7 VGA monitor connector
8 USB connectors (4)
9 Ethernet connector
10 Microphone connector
11 Audio line-out connector
12 Audio line-in connector
13 PCI Express x16 graphics adapter card slot
14 PCI Express x1 adapter card slot
15 PCI adapter card slots (2)
16 Serial port (some models)

Removing the computer cover

This section provides instructions on how to remove the computer cover.

Attention

Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

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CAUTION:

Turn off the computer and wait three to five minutes to let the computer cool before removing the computer cover.

To remove the computer cover:

1. Remove any media from the drives, shut down your operating system, and turn off all attached devices and the computer.

2. Unplug all power cords from electrical outlets.

3. Disconnect the cables attached to the computer. This includes power cords, input/output (I/O) cables, and any other cables that are connected to the computer. See "Locating connectors on the front of your computer" on page 84 and "Locating connectors on the rear of your computer" on page 85.

4. Remove any locking devices, such as a cable lock that secures the computer cover.

5. If there are thumbscrews that secure the computer cover, remove them.

6. Press the cover-release button on the side of the computer cover and slide the computer cover to the rear to remove.
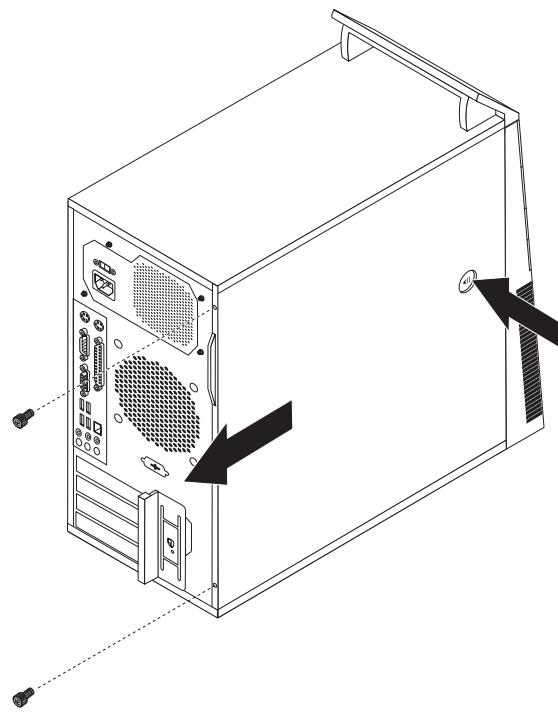
Figure 3. Removing the computer cover

Locating components

To remove the computer cover, see "Removing the computer cover" on page 86.

Figure 4 shows the location of the various components in your computer.
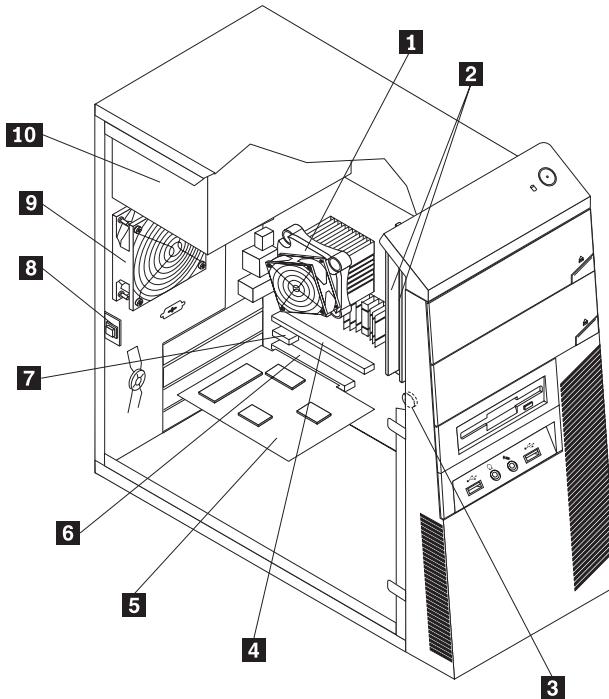
Figure 4. Component locations

1	Heat sink and fan assembly	6	PCI adapter card slot
2	Memory modules	7	PCI Express x1 adapter card slot
3	Battery	8	Cover presence (Intrusion) switch (some models)
4	PCI Express x16 graphics adapter card slot	9	Rear fan assembly
5	PCI adapter card	10	Power supply assembly

Locating parts on the system board

Figure 5 shows the location of the parts on the system board.
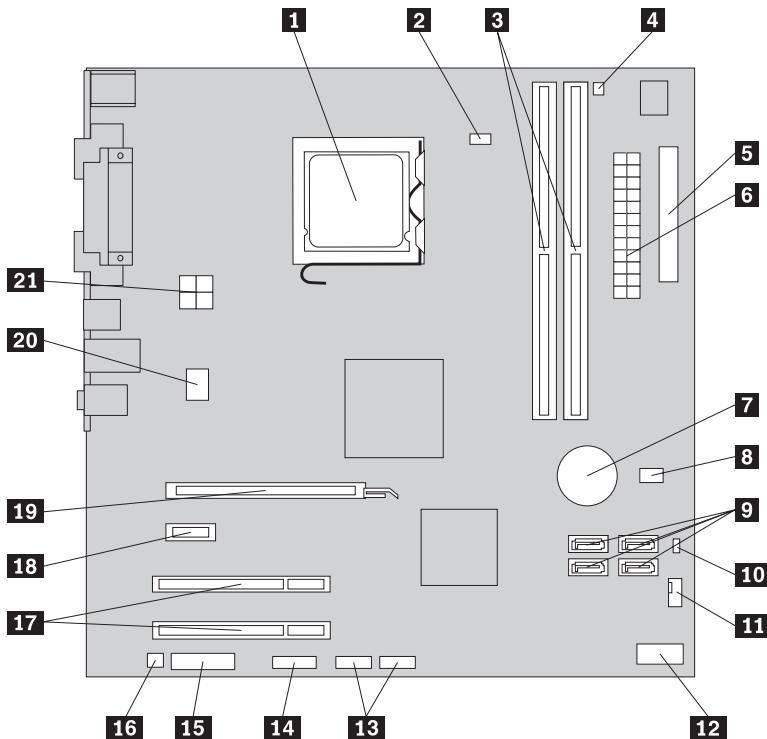
Figure 5. System board parts locations

1 Microprocessor
2 Microprocessor fan connector
3 Memory slots (2)
4 Thermal sensor connector
5 Diskette drive connector
6 24-pin power connector
7 Battery
8 Cover presence (Intrusion) switch connector
9 SATA connectors (4)
10 Clear CMOS (Complementary Metal Oxide Semiconductor)/Recovery jumper
11 Power fan connector

12 Front panel connector
13 Front USB connectors (2)
14 Serial (COM 2) connector
15 Front audio connector
16 Internal speaker connector
17 PCI adapter card slots (2)
18 PCI Express x1 adapter card slot
19 PCI Express x16 graphics adapter card slot
20 System fan connector
21 4-pin power connector

Removing and reinstalling the front bezel

This section provides instructions on how to remove and reinstall the front bezel.

To remove and reinstall the front bezel:

1. Remove the computer cover. See "Removing the computer cover" on page 86.

2. Release the three plastic tabs on the left side and pivot the front bezel outward to remove it.
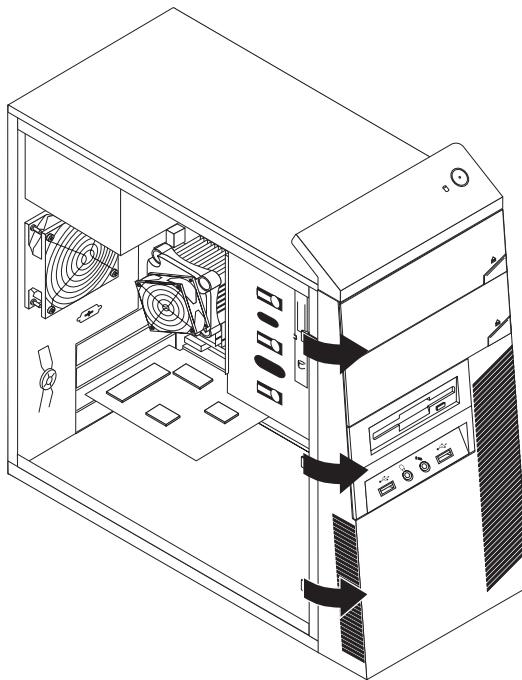
Figure 6. Removing the front bezel

3. To reinstall the front bezel, align the plastic tabs on the right side of the front bezel with the corresponding holes in the chassis, then pivot the front bezel inward until it snaps into position on the left side.
4. To complete the installation, go to "Completing the FRU replacement" on page 120.

Installing or replacing a memory module

> **Attention**
>
> Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to install or replace a memory module.

Your computer has two slots for installing or replacing DDR2 DIMMs (double data rate 2 dual inline memory modules) that provide up to a maximum of 4 GB system memory.

When installing or replacing a memory module, use the following guidelines:
- Use 1.8 V, 240-pin, DDR2 DIMMs (double data rate 2 dual inline memory modules).
- Use 512 MB, 1 GB, or 2 GB memory modules in any combination up to a maximum of 4 GB.

Note: Only DDR2 SDRAM DIMMs can be used.

To install or replace a memory module:
1. Remove the computer cover. See "Removing the computer cover" on page 86.
2. Remove any parts that might prevent access to the memory slots.
3. Locate the memory slots. See "Locating parts on the system board" on page 89.
4. Open the retaining clips.
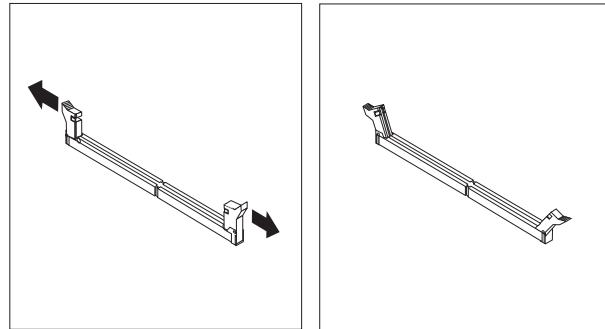
Figure 7. Opening the retaining clips

If you are replacing an old memory module, open the retaining clips and remove the memory module being replaced as shown.
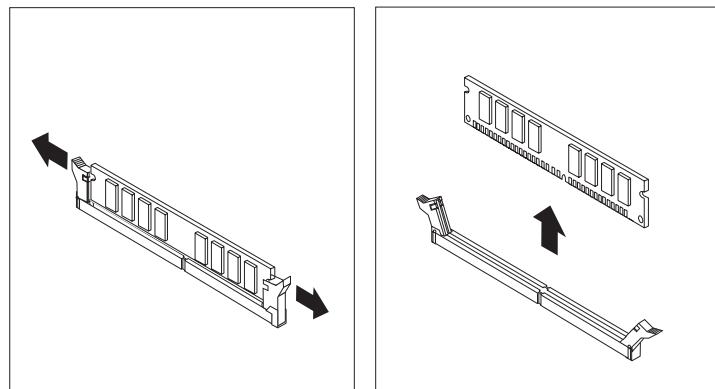
Figure 8. Removing the memory module

5. Position the memory module over the memory slot. Make sure that the notch 1 on the memory module aligns correctly with the slot key 2 on the system board. Push the memory module straight down into the slot until the retaining clips close.
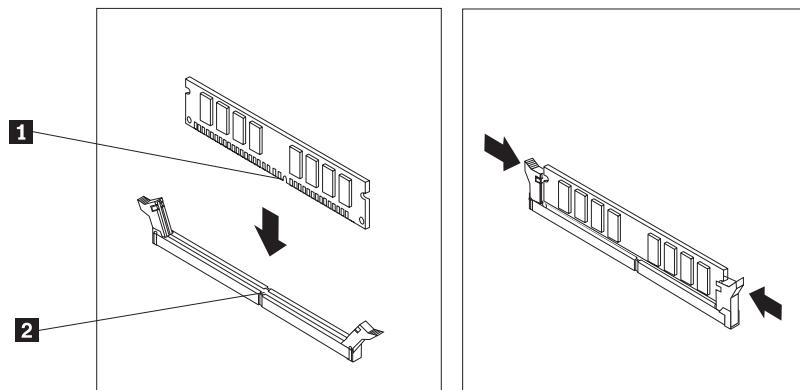
Figure 9. Installing the memory module

What to do next:

- To work with another option, go to the appropriate section.
- To complete the installation, go to "Completing the FRU replacement" on page 120.

Installing or replacing an adapter card

Attention

Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to install or replace an adapter card.

Your computer has four expansion slots. There are two standard adapter card slots, one PCI Express x1 adapter card slot, and one PCI Express x16 graphics adapter card slot.

To install or replace an adapter card:

1. Remove the computer cover. See "Removing the computer cover" on page 86.
2. At the rear of the computer, press the release button **1** to open the adapter card latch **2** and remove the slot cover.
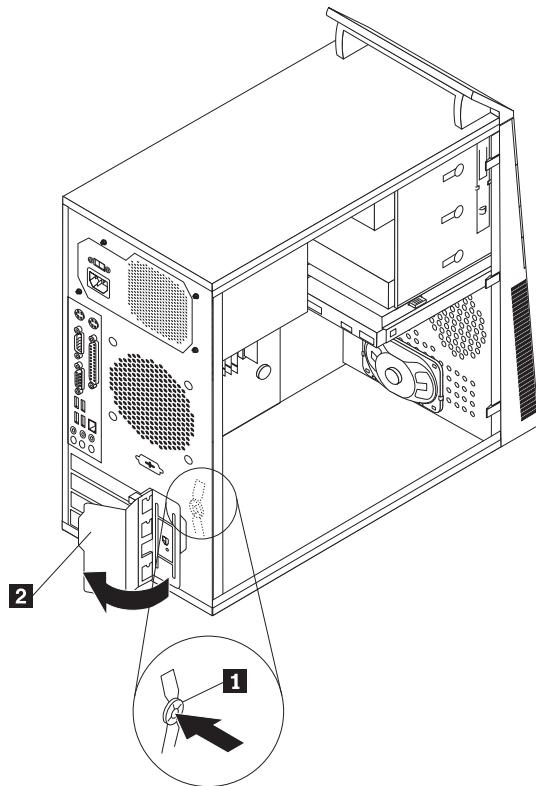
Figure 10. Opening the adapter card latch

3. Remove the adapter card from its static-protective package.

4. Install the adapter card into the appropriate slot on the system board, see "Locating parts on the system board" on page 89. If you are replacing an adapter card, remove the old adapter card that is currently installed before installing the new one.
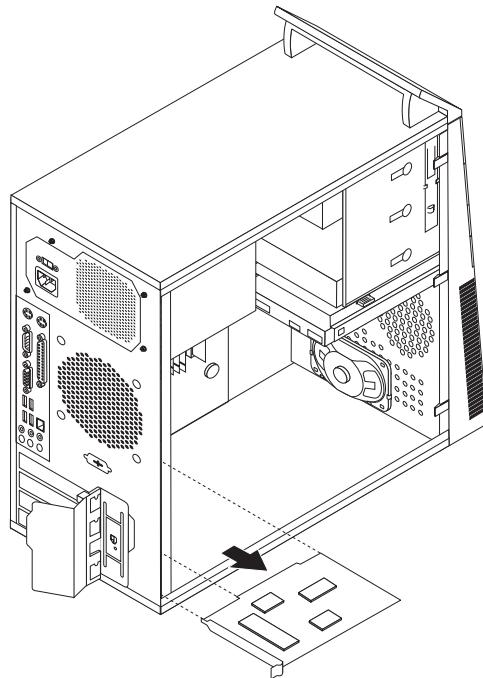
Notes:

a. The adapter card fits tightly into the card slot. If necessary, alternate moving each side of the adapter card a small amount until it is removed from the adapter card slot.

b. If the adapter card is held in place by a retaining latch, press the adapter card retaining latch **1** downwards to disengage the latch. Grasp the adapter card and then gently pull the adapter card out of the slot.
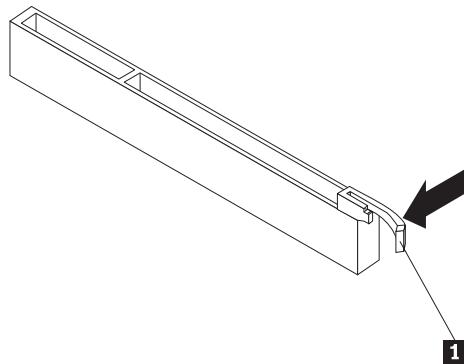
5. Pivot the adapter card latch to the closed position to secure the adapter cards.
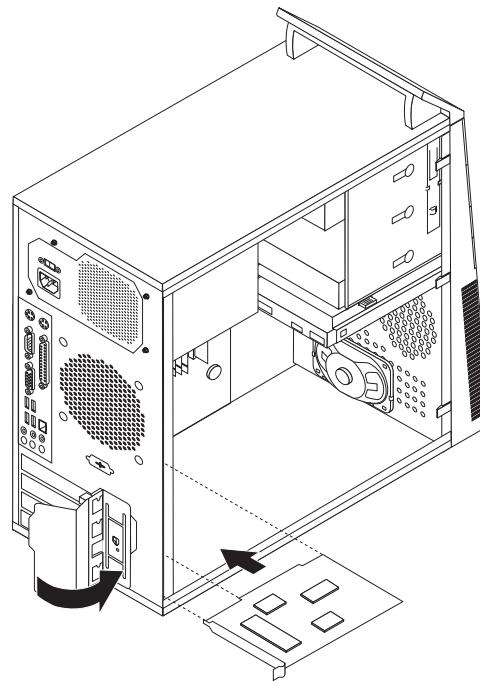
Figure 11. Closing the adapter card latch

What to do next:
- To work with another option, go to the appropriate section.
- To complete the installation, go to "Completing the FRU replacement" on page 120.

Replacing the battery

Attention

Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

Your computer has a special type of memory that maintains the date, time, and settings for built-in features, such as parallel-port assignments (configuration). A battery keeps this information active when you turn off the computer.

The battery normally requires no charging or maintenance throughout its life; however, no battery lasts forever. If the battery fails, the date, time, and configuration information (including passwords) are lost. An error message is displayed when you turn on the computer.

Refer to the "Lithium battery notice" in the *ThinkCentre Safety and Warranty Guide* for information about replacing and disposing of the battery.

To replace the battery:

1. Remove the computer cover. See "Removing the computer cover" on page 86.
2. Locate the battery. See "Locating parts on the system board" on page 89.
3. Remove the old battery.
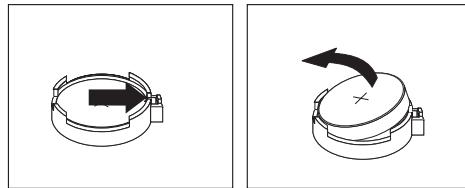
Figure 12. Removing the old battery

4. Install a new battery.
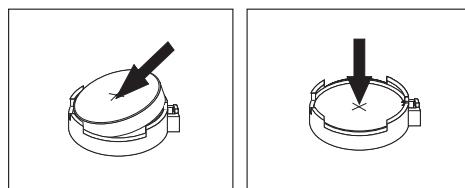
Figure 13. Installing a new battery

5. Reinstall the computer cover and connect the cables. See "Completing the FRU replacement" on page 120.

   Note: When the computer is turned on for the first time after replacing the battery, an error message might be displayed. This is normal after replacing the battery.

6. Turn on the computer and all attached devices.
7. Use the Setup Utility program to set the date, time, and any passwords. See Chapter 6, "Using the Setup Utility," on page 49.

Replacing the power supply assembly

Attention

Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to replace the power supply assembly.

To replace the power supply assembly:

1. Remove the computer cover. See "Removing the computer cover" on page 86.
2. Disconnect the power supply assembly cables from the system board and all drives. See "Locating parts on the system board" on page 89.

3. Lay the computer on its side and remove the four screws at the rear of the chassis that secure the power supply assembly.
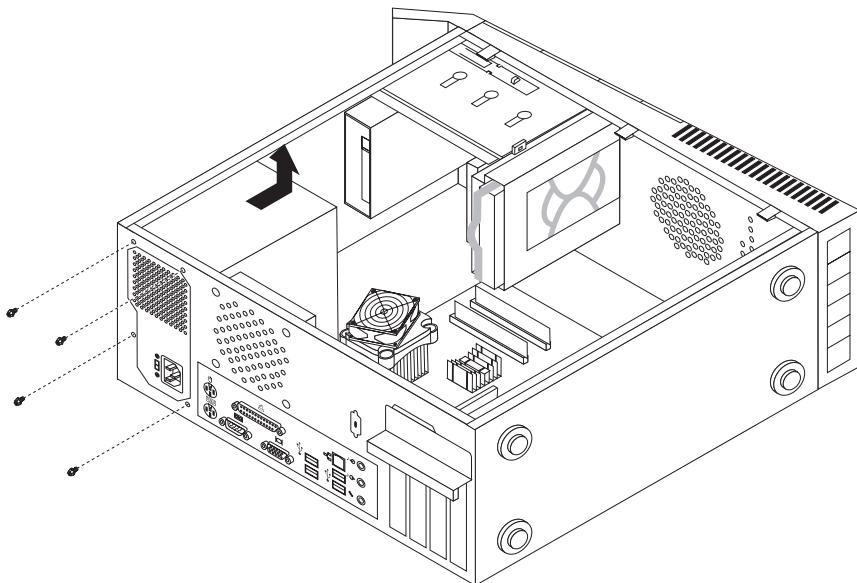
Figure 14. Removing the retaining screws for the power supply assembly

4. Remove the old power supply assembly from the chassis.
5. Ensure that the power supply assembly is the correct replacement. Some power supply assemblies automatically sense the voltage, some power supply assemblies are voltage specific, and some power supply assemblies have a voltage-selection switch. If your computer has a voltage-selection switch, ensure that you set the voltage-selection switch of the new power supply assembly to match the voltage available at your electrical outlet. If necessary, use a ballpoint pen to slide the voltage-selection switch to a different position.
   - If the voltage supply range in your local country or region is 100–127 V AC, set the switch to 115 V.
   - If the voltage supply range in your local country or region is 200–240 V AC, set the switch to 230 V.
6. Install the new power supply assembly into the chassis so that the screw holes in the power supply assembly align with those in the chassis.
7. Install the four screws to secure the power supply assembly.

   Note: Use only screws provided by Lenovo.
8. Reconnect the power supply assembly connectors to the system board.
9. Reconnect a power supply assembly connector to each of the drives.
10. Go to "Completing the FRU replacement" on page 120.

Replacing the heat sink and fan assembly

> **Attention**
>
> Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to replace the heat sink and fan assembly.

CAUTION:

The heat sink and fan assembly might be very hot. Turn off the computer and wait three to five minutes to let the computer cool before removing the computer cover.

To replace the heat sink and fan assembly:

1. Remove the computer cover. See "Removing the computer cover" on page 86.
2. Lay the computer on its side for easier access to the system board.
3. Locate the heat sink and fan assembly. See "Locating parts on the system board" on page 89.
4. Disconnect the heat sink and fan assembly cable from the microprocessor fan connector on the system board. See "Locating parts on the system board" on page 89.

5. Remove the four screws **1** that secure the heat sink and fan assembly to the system board.

   Note: Carefully remove the four screws from the system board to avoid any possible damage. The four screws cannot be removed from the heat sink and fan assembly.
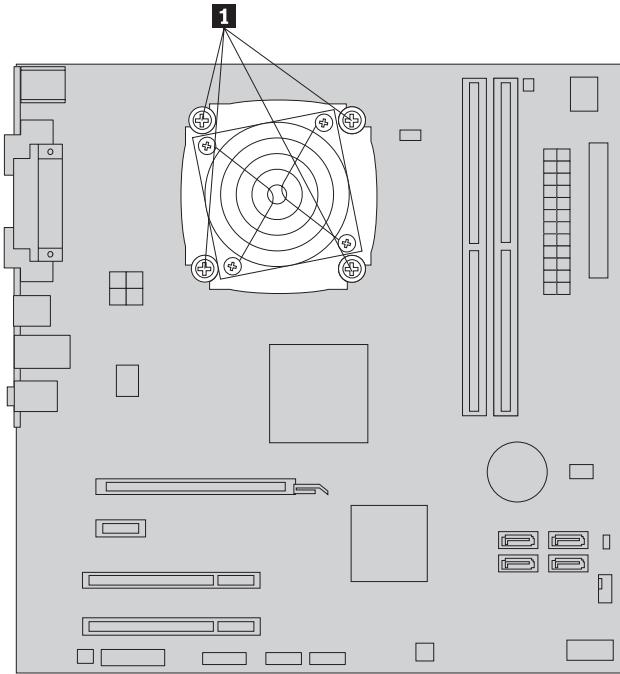
Figure 15. Removing the heat sink and fan assembly

6. Lift the failing heat sink and fan assembly off the system board.

   Notes:

   a. You might have to gently twist the heat sink and fan assembly to free it from the microprocessor.
   b. Do not touch the thermal grease while handling the heat sink and fan assembly.

7. Position the new heat sink and fan assembly on the system board so that the four screws are aligned with the holes on the system board.

   Note: Position the new heat sink and fan assembly so that the heat sink and fan assembly cable is toward the microprocessor fan connector on the system board.

8. Alternate tightening each screw a small and equal amount until the heat sink and fan assembly is secured to the system board. Do not over-tighten the screws.

9. Connect the new heat sink and fan assembly cable to the microprocessor fan connector on the system board.

10. Go to "Completing the FRU replacement" on page 120.

Replacing the microprocessor

> **Attention**
>
> Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to:
> http://www.lenovo.com/support

This section provides instructions on how to replace the microprocessor.

CAUTION:

The heat sink and microprocessor might be very hot. Turn off the computer and wait three to five minutes to let the computer cool before removing the computer cover.

To replace the microprocessor:

1. Remove the computer cover. See "Removing the computer cover" on page 86.

2. Lay the computer on its side for easier access to the system board.

3. Remove any parts or cables that may prevent your access to the system board.

4. Disconnect the heat sink and fan assembly cable from the microprocessor fan connector on the system board. See "Locating parts on the system board" on page 89.

5. Remove the heat sink and fan assembly. See "Replacing the heat sink and fan assembly" on page 98.

6. Place the heat sink and fan assembly on its side so that the thermal grease does not come in contact with anything.

7. Lift the small handle **3** and open the retainer **1** to access the microprocessor **2** .
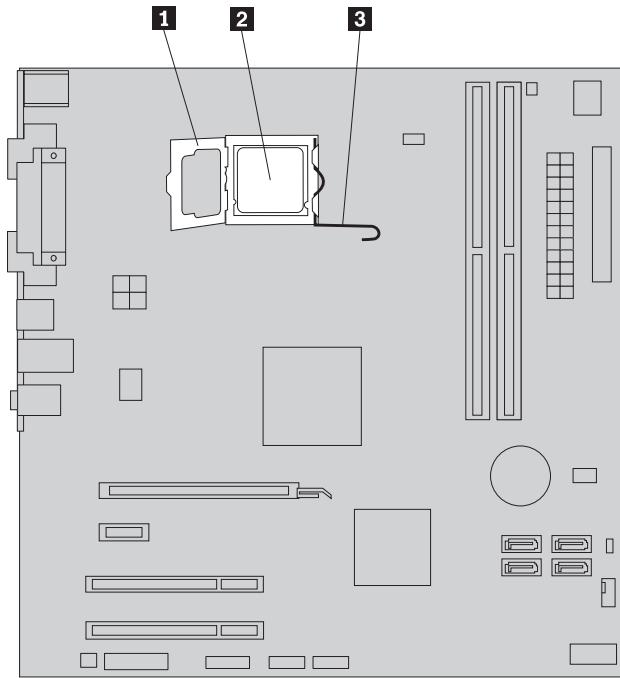
Figure 16. Accessing the microprocessor

8. Lift the microprocessor straight up and out of the socket.

   Notes:

   a. Your microprocessor and socket might look different from the one illustrated.

   b. Note the orientation of the microprocessor in the socket. You can either look for the small triangle **1** on one corner of the microprocessor or note the orientation of the notches **2** on the microprocessor. This is important when reinstalling the microprocessor on the system board.
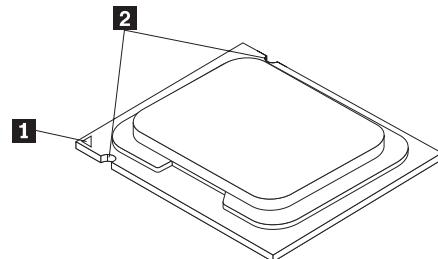
c. Touch only the sides of the microprocessor. Do not touch the gold contacts on the bottom.

d. Do not drop anything onto the microprocessor socket while it is exposed. The socket pins must be kept as clean as possible.
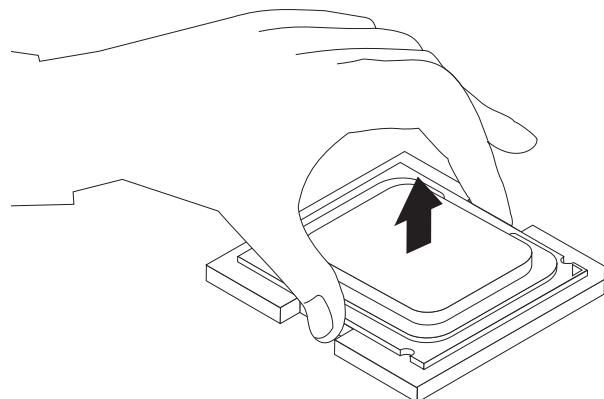
Figure 17. Removing the microprocessor

9. Make sure that the small handle is in the raised position and the microprocessor retainer is fully open.

10. Remove the protective cover **2** that protects the gold contacts on the new microprocessor **1** .

11. Hold the new microprocessor and align the notches on it with the tabs in the microprocessor socket, or align the small triangle on one corner with the corresponding beveled corner of the microprocessor socket.

12. Lower the new microprocessor straight down into the microprocessor socket on the system board.

13. Close the microprocessor retainer and lock it into position with the small handle to secure the new microprocessor in the socket.

14. Reinstall the heat sink and fan assembly. See "Replacing the heat sink and fan assembly" on page 98.

15. Reconnect the heat sink and fan assembly cable to the microprocessor fan connector on the system board.

16. Reinstall any other parts or reconnect any other cables you removed.

17. Go to "Completing the FRU replacement" on page 120.

Replacing the system board

> **Attention**
>
> Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to replace the system board.

CAUTION:

The heat sink and microprocessor might be very hot. Turn off the computer and wait three to five minutes to let the computer cool before removing the computer cover.

Note: When replacing the system board, you must order a new retention module for the new system board. Make sure you have a retention module for the new system board before continuing this procedure.

To replace the system board:

1. Remove the computer cover. See "Removing the computer cover" on page 86.
2. Remove the primary hard disk drive with the hard disk drive cage. See "Replacing the primary hard disk drive" on page 105.
3. Lay the computer on its side to make the system board more accessible.
4. Remove all memory modules and adapter cards that are currently installed. See "Installing or replacing a memory module" on page 90 and "Installing or replacing an adapter card" on page 92.
5. Carefully take note of the location of all cable connectors on the system board and disconnect all the cables. See "Locating parts on the system board" on page 89.
6. Remove the heat sink and fan assembly from the failing system board. See "Replacing the heat sink and fan assembly" on page 98.
7. Remove the screws that secure the system board to the chassis.
8. Carefully move the system board out of the chassis.
9. Remove the microprocessor socket cover from the new system board.
10. Remove the microprocessor from the failing system board and install it on the new system board. See "Replacing the microprocessor" on page 100.
11. The failing system board must be returned with a microprocessor socket cover to protect the pins during shipping and handling. Install the microprocessor socket cover removed from the new system board on the failing system board.

    To install the microprocessor socket cover:

    a. Make sure the microprocessor has been removed from the microprocessor socket, and then close the microprocessor retainer and lock it into position with the small handle.

b. Insert the tabs **1** of the socket cover into the hinged side of the socket, and then press the other side of the socket cover downward until the tabs **2** snap into position.
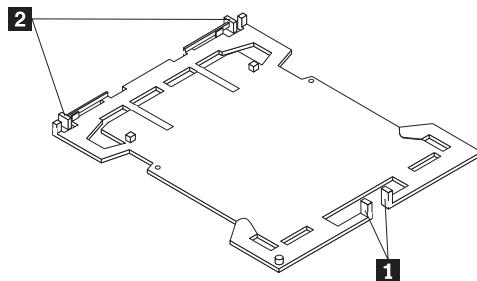
Figure 18. Tabs on the microprocessor socket cover (bottom view)
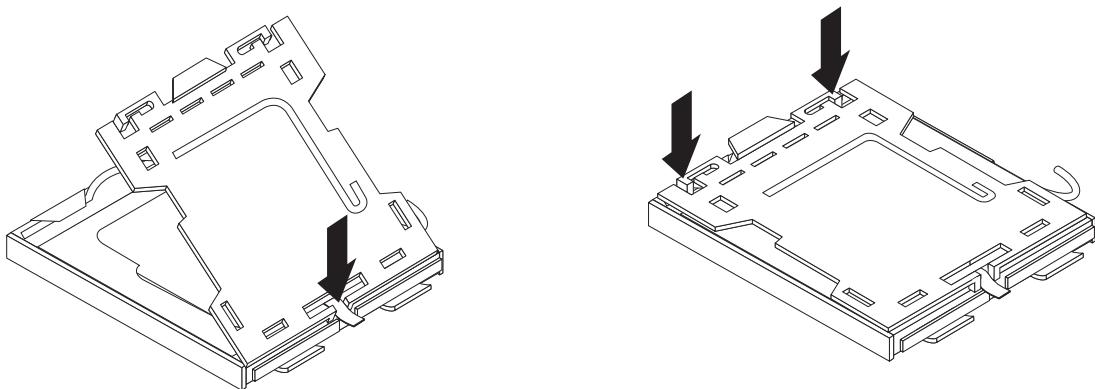
Figure 19. Installing the microprocessor socket cover

12. Install the new retention module on the new system board.
13. Install the heat sink and fan assembly and connect the heat sink and fan assembly cable to the microprocessor fan connector on the new system board.
14. Install the new system board into the chassis and align the screw holes with those in the chassis. Insert and tighten the screws to secure the new system board in place.
15. Install all memory modules and adapter cards removed from the failing system board on the new system board.
16. Reinstall the primary hard disk drive with the hard disk drive cage.
17. Reconnect all remaining cables to the system board. See "Locating parts on the system board" on page 89.
18. Go to "Completing the FRU replacement" on page 120.

Replacing the primary hard disk drive

> **Attention**
>
> Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to replace the primary hard disk drive.

> **Important**
>
> When you receive a new hard disk drive, you also receive a set of *Product Recovery discs*. The set of *Product Recovery discs* enables you to restore the contents of the hard disk drive to the factory-installed state. For more information on recovering factory-installed software, refer to "Recovering software" in your *ThinkCentre User Guide*.

To replace the primary hard disk drive:
1. Remove the computer cover. See "Removing the computer cover" on page 86.
2. Locate the primary hard disk drive.
3. Disconnect the signal cable and the power cable from the hard disk drive.
4. Press the blue release tab **1** down, slide the hard disk drive cage **2** back, and pivot it outward.
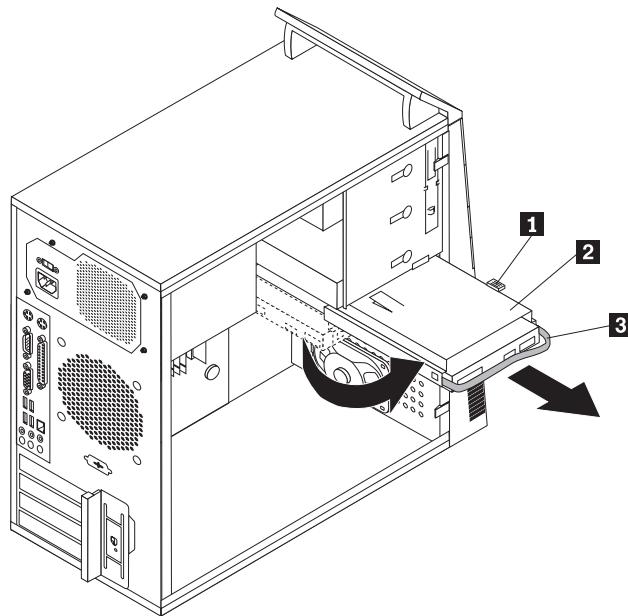
Figure 20. Removing the primary hard disk drive

5. Remove the hard disk drive cage from the chassis by simply sliding it outward.
6. Pull on the blue handle **3** to release and remove the hard disk drive from the drive cage.

7. Remove the hard disk drive from the blue bracket by flexing the sides of the bracket enough to slide it free from the hard disk drive.

8. To install a new hard disk drive into the blue bracket, flex the bracket and align pin **1**, pin **2**, pin **3**, and pin **4** on the bracket with the holes in the hard disk drive. Do not touch the circuit board **5** on the bottom of the hard disk drive.
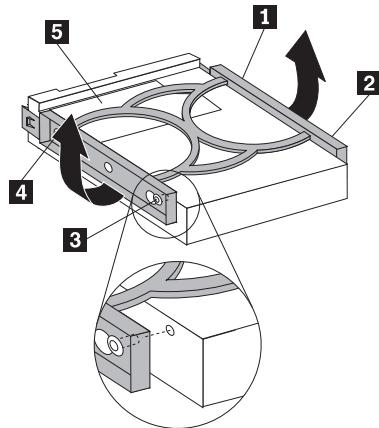
Figure 21. Installing the primary hard disk drive into the bracket

9. Slide the new hard disk drive into the drive cage until it snaps into position.

10. Align the drive cage pivot pin with the slot **1** in the upper drive cage and slide the hard disk drive cage into the chassis.

11. Connect the signal cable and the power cable to the rear of the new hard disk drive.

12. Press down on the metal latch **2** and pivot the drive cage into place, and then slide it forward until it snaps into position.

> **Note:** There are two arrows, one on the upper drive cage and one on the hard disk drive cage. The arrows are aligned when the hard disk drive is in the proper position.
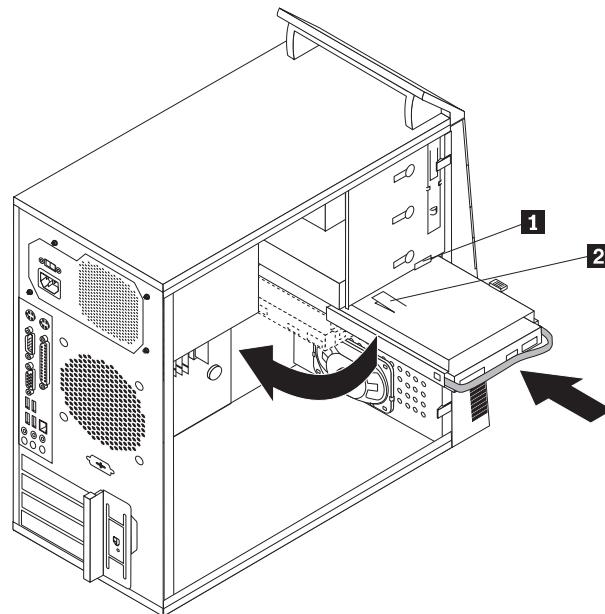
Figure 22. Installing the primary hard disk drive with the hard disk drive cage

13. Go to "Completing the FRU replacement" on page 120.

Replacing the secondary hard disk drive

> **Attention**
>
> Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

> **Note:** Depending on your model type, your computer might come with a secondary hard disk drive bay for installing or replacing a secondary hard disk drive.

This section provides instructions on how to replace the secondary hard disk drive.

> **Important**
> When you receive a new hard disk drive, you also receive a set of *Product Recovery discs*. The set of *Product Recovery discs* enables you to restore the contents of the hard disk drive to the factory-installed state. For more information on recovering factory-installed software, refer to "Recovering software" in your *ThinkCentre User Guide*.

To replace the secondary hard disk drive:

1. Remove the computer cover. See "Removing the computer cover" on page 86.
2. Locate the secondary hard disk drive.
3. Disconnect the signal cable and the power cable from the hard disk drive.
4. Press the blue release button to release the hard disk drive cage from the chassis.
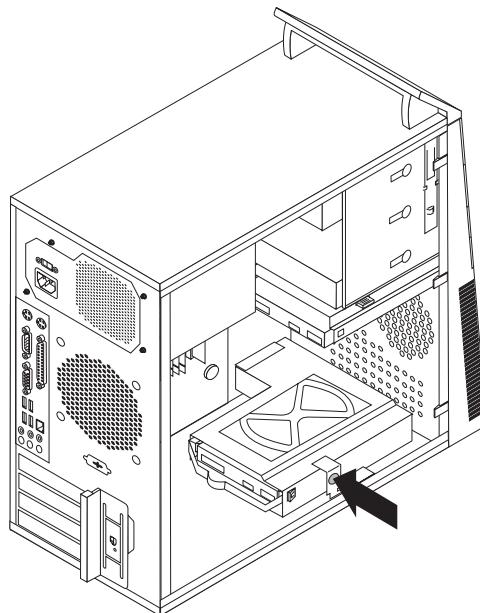
Figure 23. Removing the secondary hard disk drive

5. Remove the hard disk drive cage from the chassis by simply sliding it outward.
6. Pull on the blue handle to release and remove the hard disk drive from the hard disk drive cage.
7. Remove the hard disk drive from the blue plastic bracket by flexing the sides of the bracket enough to slide it free from the hard disk drive.

8. To install a new hard disk drive into the blue bracket, flex the bracket and align pin **1**, pin **2**, pin **3**, and pin **4** on the bracket with the holes in the hard disk drive. Do not touch the circuit board **5** on the bottom of the hard disk drive.
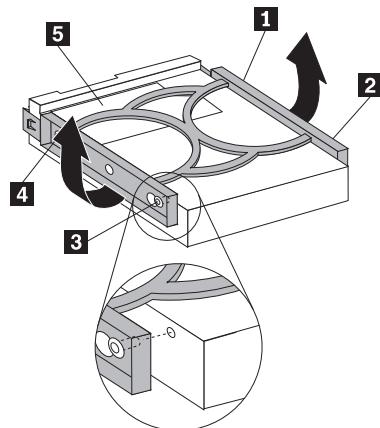
Figure 24. Installing the secondary hard disk drive into the bracket

9. Slide the new hard disk drive into the hard disk drive cage until it snaps into position.

10. Install the hard disk drive cage into the chassis until it snaps into position underneath the metal tab. Make sure that the hard disk drive cage is secured in the chassis.
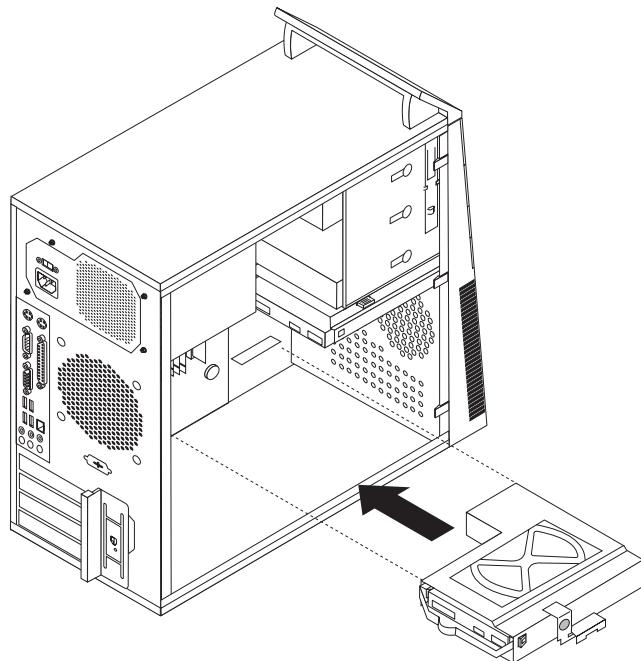
Figure 25. Installing the secondary hard disk drive and drive cage

11. Connect the signal and power cables to the rear of the new hard disk drive.
12. Go to "Completing the FRU replacement" on page 120.

Replacing the optical drive

Attention
Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to replace the optical drive.

To replace the optical drive:

1. Remove the computer cover. See "Removing the computer cover" on page 86.
2. Remove the front bezel. See "Removing and reinstalling the front bezel" on page 89.
3. Disconnect the signal cable and the power cable from the rear of the optical drive.

4. Press the blue release button and remove the optical drive out of the front of the computer.

   Note: There is a spare retaining bracket **1** attached to the side of the upper drive cage.
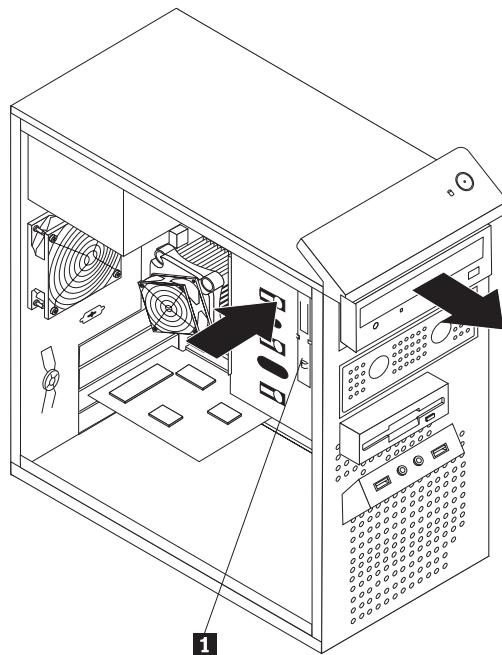
Figure 26. Removing the optical drive

5. Remove the retaining bracket from the optical drive being replaced and install it on the new optical drive.
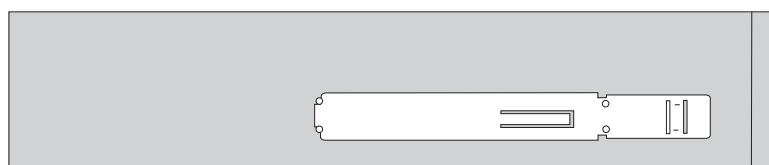
Figure 27. Retaining bracket for optical drive

6. Slide the new optical drive into the bay from the front until it snaps into position.
7. Connect the signal cable and the power cable to the optical drive.
8. Go to "Completing the FRU replacement" on page 120.

Replacing the diskette drive or card reader

> **Attention**
>
> Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

Depending on your model type, your computer might have a diskette drive or a card reader installed. This section provides instructions on how to replace the diskette drive or card reader.

The artwork in this section shows how to replace the diskette drive. To replace the card reader, the procedure is the same as replacing the diskette drive.

To replace the diskette drive or card reader:

1. Remove the computer cover. See "Removing the computer cover" on page 86.
2. Remove the front bezel. See "Removing and reinstalling the front bezel" on page 89.
3. Disconnect the signal cable and the power cable from the rear of the diskette drive or card reader.
4. Press the release button and slide the diskette drive or card reader out of the front of the computer.
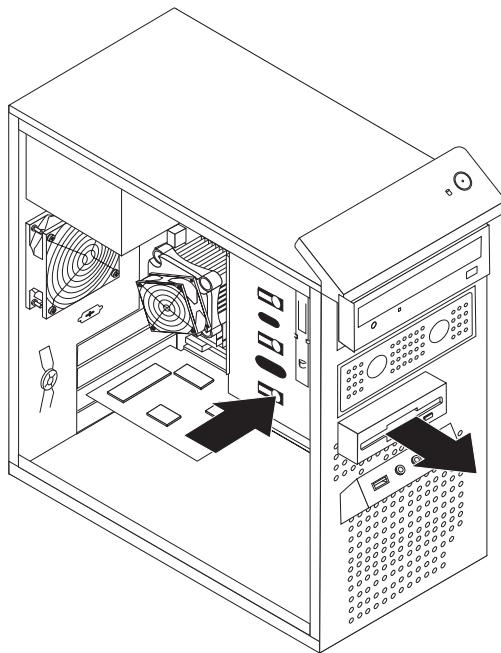
Figure 28. Removing the diskette drive or card reader

5. Remove the retaining bracket from the failing diskette drive or card reader and install it on a new diskette drive or card reader.
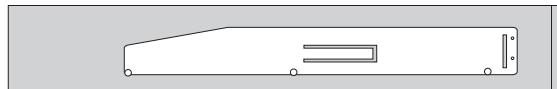
Figure 29. Retaining bracket for diskette drive or card reader

6. Slide the new diskette drive or card reader into the drive bay until it snaps into position.
7. Connect the signal cable and the power cable to the new diskette drive or card reader.
8. Reinstall the front bezel.
9. Go to "Completing the FRU replacement" on page 120.

Replacing the front fan assembly

> **Attention**
>
> Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to replace the front fan assembly.

Note: Depending on model type, your computer might have a front fan assembly installed.

To replace the front fan assembly:
1. Remove the computer cover. See "Removing the computer cover" on page 86.
2. Remove the front bezel. See "Removing and reinstalling the front bezel" on page 89.
3. Disconnect the front fan assembly cable from the power fan connector on the system board. See "Locating parts on the system board" on page 89.

4. The front fan assembly is attached to the chassis by four rubber mounts. Remove the front fan assembly by breaking or cutting the rubber mounts and gently pulling the front fan assembly out of the chassis.
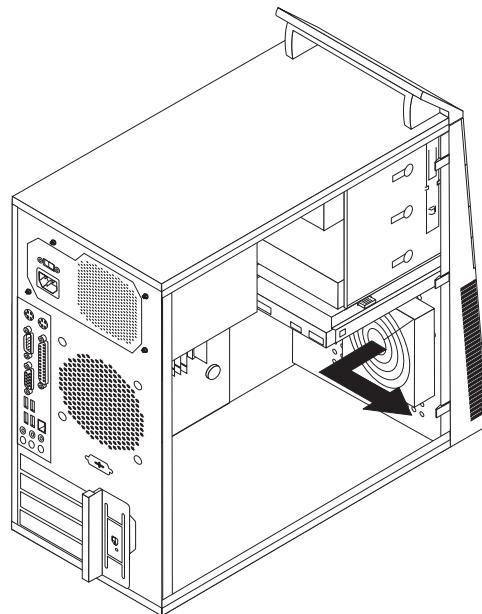
Figure 30. Removing the front fan assembly

5. Install the new front fan assembly by aligning the new rubber mounts of the new front fan assembly with the holes on the chassis and push the rubber mounts through the holes.

   Note: The new front fan assembly you received will have four new rubber mounts attached.

6. Pull on the tips of the rubber mounts until the front fan assembly is in place.
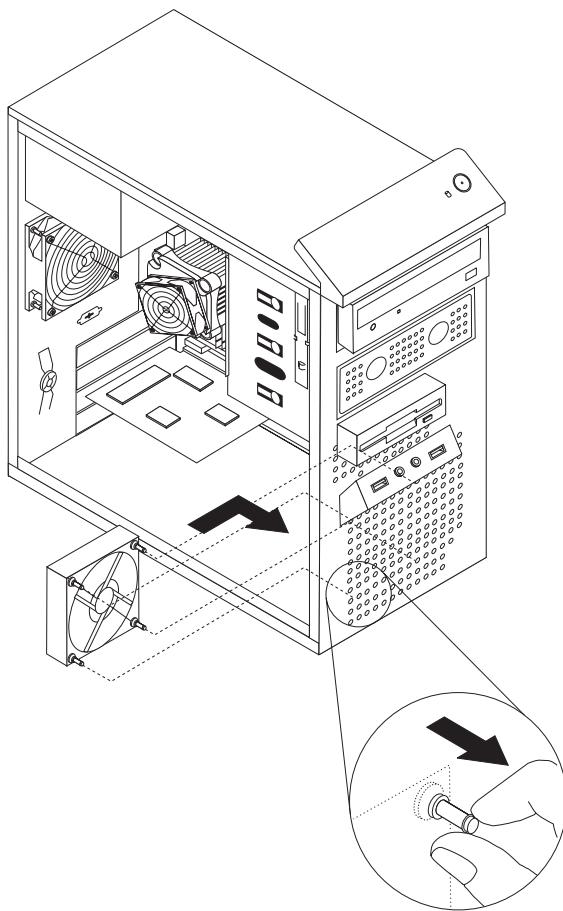
Figure 31. Installing the front fan assembly

7. Connect the front fan assembly cable to the power fan connector on the system board.
8. Go to "Completing the FRU replacement" on page 120.

Replacing the rear fan assembly

Attention

Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to replace the rear fan assembly.

To replace the rear fan assembly:
1. Remove the computer cover. See "Removing the computer cover" on page 86.
2. Locate the rear fan assembly. See "Locating components" on page 88.
3. Disconnect the rear fan assembly cable from the system fan connector on the system board. See "Locating parts on the system board" on page 89.

4. The rear fan assembly is attached to the chassis by four rubber mounts. Remove the rear fan assembly by breaking or cutting the rubber mounts and gently pulling the rear fan assembly out of the chassis.
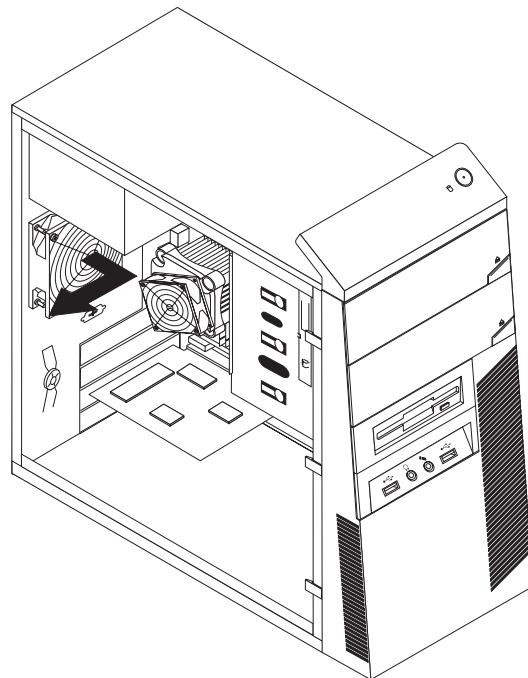
Figure 32. Removing the rear fan assembly

5. Install the new rear fan assembly by aligning the new rubber mounts of the new rear fan assembly with the holes on the chassis and push the rubber mounts through the holes.

   Note: The new rear fan assembly you received will have four new rubber mounts attached.

6. Pull on the tips of the rubber mounts until the rear fan assembly is in place.
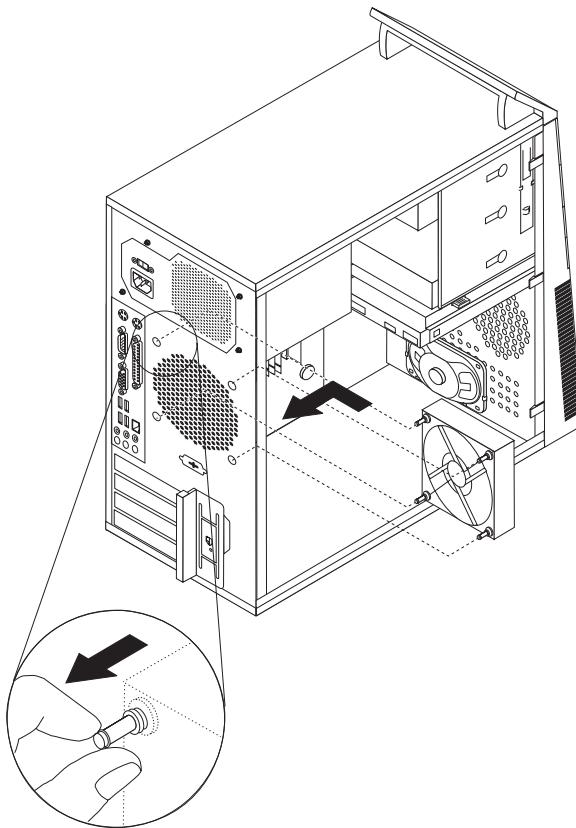
Figure 33. Installing the rear fan assembly

7. Connect the rear fan assembly cable to the system fan connector on the system board.
8. Go to "Completing the FRU replacement" on page 120.

Replacing the internal speaker

> **Attention**
>
> Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to replace the internal speaker.

To replace the internal speaker:
1. Remove the computer cover. See "Removing the computer cover" on page 86.
2. Locate the internal speaker connector on the system board. See "Locating parts on the system board" on page 89.
3. Disconnect the internal speaker cable from the system board.

4. Push the metal tab on the top of the internal speaker outward and slide the internal speaker upward to completely remove it from the chassis.
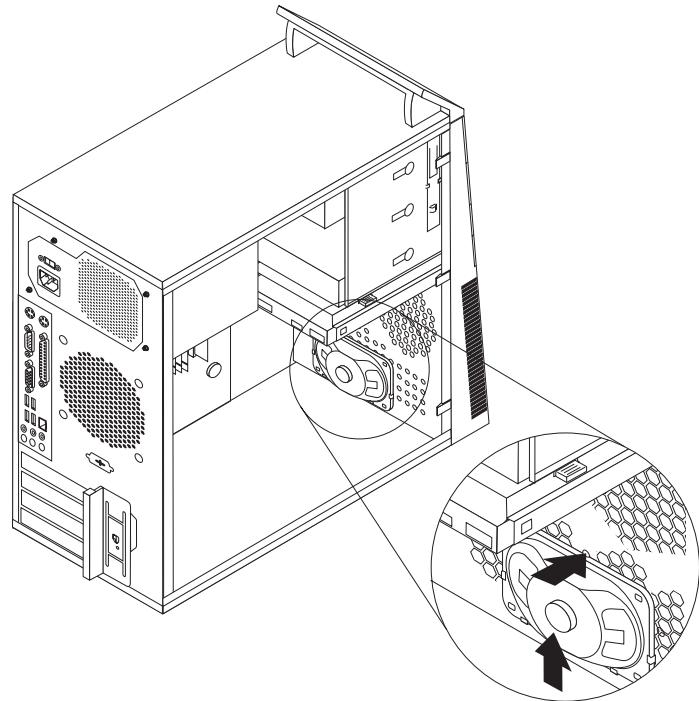
Figure 34. Removing the old internal speaker

5. Position a new internal speaker into the metal clips and push downward on the internal speaker until it snaps into position.
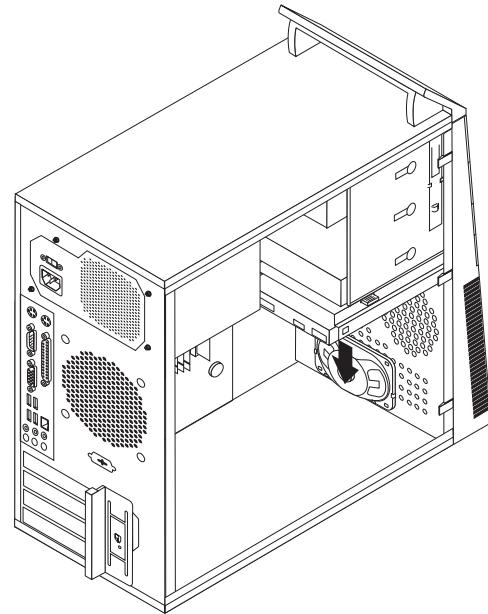
Figure 35. Installing a new internal speaker

6. Connect the speaker cable to the system board. See "Locating parts on the system board" on page 89.

7. Go to "Completing the FRU replacement" on page 120.

Replacing the front audio and USB assembly

Attention
Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to replace the front audio and USB assembly.

1. Remove the computer cover. See "Removing the computer cover" on page 86.
2. Remove the front bezel. See "Removing and reinstalling the front bezel" on page 89.
3. Disconnect the front audio and USB assembly cables from the system board. See "Locating parts on the system board" on page 89.
4. Note the front audio and USB assembly cables routing and remove the screw that secures the front audio and USB assembly to the chassis.
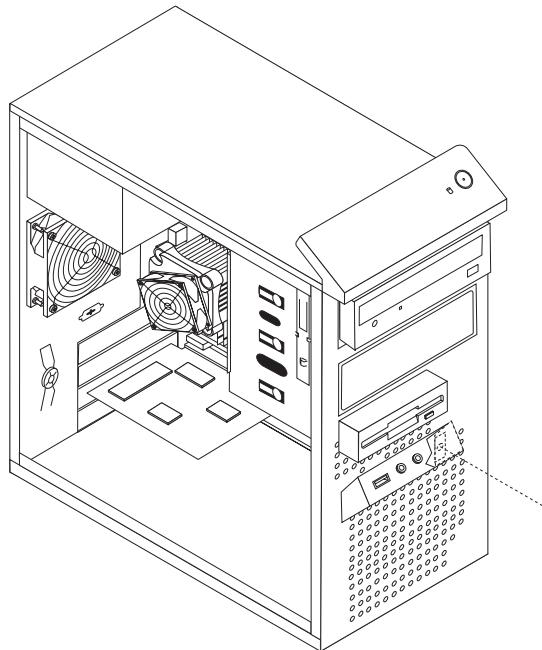
Figure 36. Removing the front audio and USB assembly

5. Remove the front audio and USB assembly.
6. Route the cables for the new front audio and USB assembly through the hole in the chassis to the system board.
7. Install the new front audio and USB assembly into the chassis and secure it with the screw.
8. Connect the new front audio and USB assembly cables to the system board. See "Locating parts on the system board" on page 89.
9. Reinstall the front bezel.

10. Go to "Completing the FRU replacement."

Completing the FRU replacement

After replacing the FRUs, you need to reinstall any removed parts, reconnect and route any internal cables, reinstall the computer cover, and reconnect any external cables, including telephone lines and power cords. Depending on the FRUs replaced, you might need to confirm the updated information in the Setup Utility program, see Chapter 6, "Using the Setup Utility," on page 49.

Note: When the power cord is first plugged in, the computer might appear to turn on for a few seconds and then turn off. This is a normal sequence to enable the computer to initialize.

To reinstall the computer cover and reconnect cables to your computer:
1. Ensure that all components have been reassembled correctly and that no tools or loose screws are left inside your computer. See "Locating components" on page 88 for the location of the various components.
2. Reconnect any internal cables.

3. Position the computer cover on the chassis so that the rail guides on the bottom of the computer cover engage the rails. Then, push the computer cover closed until it snaps into position.
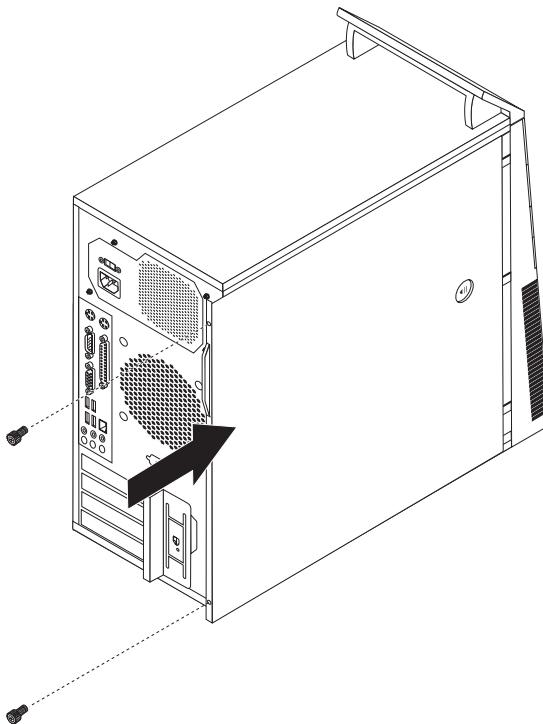
Figure 37. Reinstalling the computer cover

4. If the computer cover is secured with thumbscrews, install them.
5. If a cover lock is installed, lock the cover.
6. Reconnect the external cables and power cords to the computer. See "Locating connectors on the rear of your computer" on page 85.
7. If you have replaced the system board, you must update (flash) the BIOS. See "Updating (flashing) the BIOS from a disc" on page 380.
8. Some FRU replacements require the configuration to be updated. To update your configuration, see Chapter 6, "Using the Setup Utility," on page 49.

Chapter 9. Replacing FRUs (Machine Types: 7522, 7560, 7610, 7705, 7715, 7718, 7721, 7773, and 7799.)

> **Important**
>
> Be sure to read and understand the Chapter 2, "Safety information," on page 3 before replacing any FRU. These precautions and guidelines will help you work safely.

FRU replacements are to be done only by trained service technicians.

This chapter does not contain the install, remove or replace procedure for all FRUs. Only the major FRUs are documented.

Locating connectors on the front of the computer

Figure 38 shows the location of the connectors on the front of the computer.

Note: Not all computer models have the following connectors.
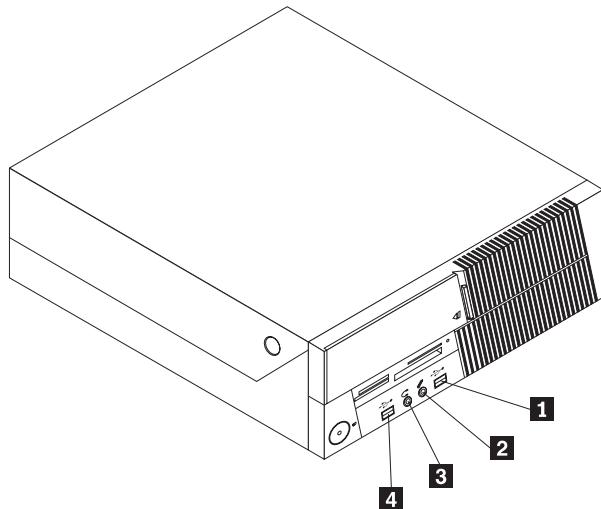
Figure 38. Front connector locations

1	USB connector	**3**	Microphone connector
2	Headphone connector	**4**	USB connector

Locating connectors on the rear of the computer

Figure 39 shows the location of the connectors on the rear of the computer. Some connectors on the rear of your computer are color-coded to help you determine where to connect the cables on your computer.
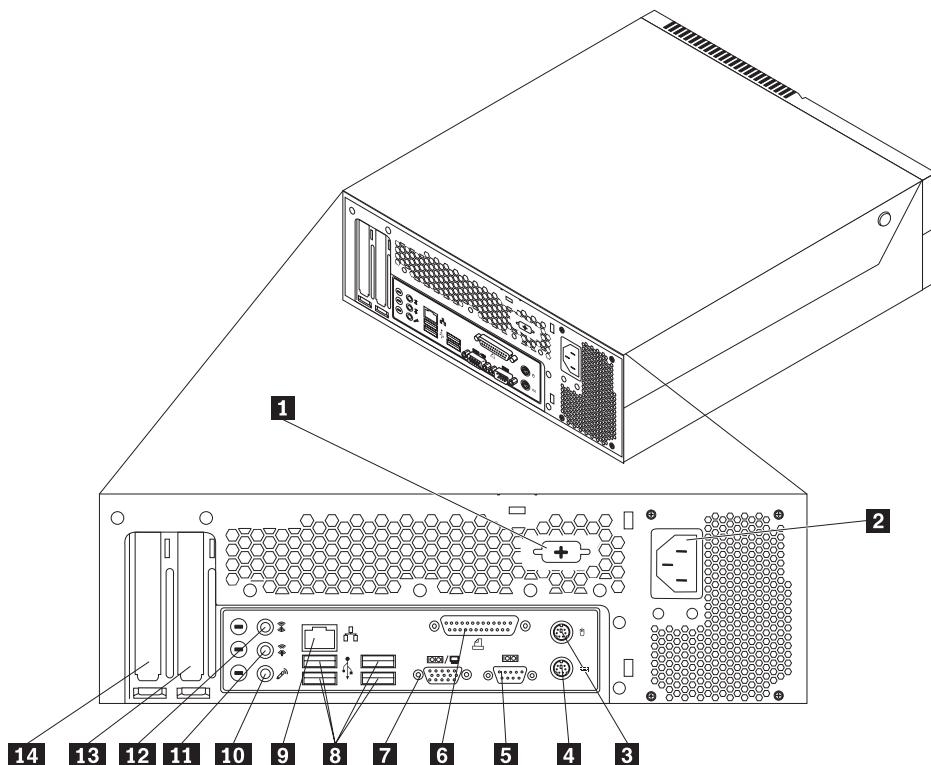
Figure 39. Rear connector locations

1	Serial port (some models)	**8**	USB connectors (4)
2	Power cord connector	**9**	Ethernet connector
3	Standard mouse connector	**10**	Microphone connector
4	Standard keyboard connector	**11**	Audio line-out connector
5	Serial port	**12**	Audio line-in connector
6	Parallel port	**13**	PCI Express x16 graphics adapter card slot
7	VGA monitor connector	**14**	PCI adapter card slot

Opening the computer cover

> **Attention**
>
> Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to open the computer cover.

CAUTION:

Turn off the computer and wait three to five minutes to let the computer cool before opening the computer cover.

To open the computer cover:

1. Remove any media from the drives, shut down your operating system, and turn off all attached devices and the computer.
2. Unplug all power cords from electrical outlets.
3. Disconnect the cables attached to the computer. This includes power cords, input/output (I/O) cables, and any other cables that are connected to the computer. See "Locating connectors on the front of the computer" on page 124 and "Locating connectors on the rear of the computer" on page 125.
4. Remove any locking devices, such as a cable lock that secures the computer cover.
5. Press the buttons on the sides of the computer and pivot the computer cover upward to open.
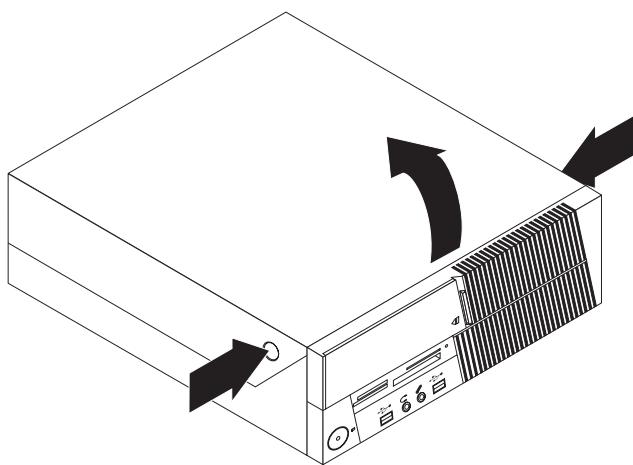
Figure 40. Opening the computer cover

Accessing the system board components and drives

> **Attention**
>
> Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to access the system board components and drives.

To access the system board components and drives:

1. Open the computer cover. See "Opening the computer cover" on page 126.
2. On some models, you might need to pivot the drive bay assembly upward and remove the hard disk drive to access the internal components. See "Replacing the hard disk drive" on page 136.

   Note: Make sure you note the location of any cables that you disconnect from the drives or the system board.

   Attention: Make sure the hard disk drive assembly is in the latched down position before closing the computer cover to prevent damage to the hard disk drive assembly.
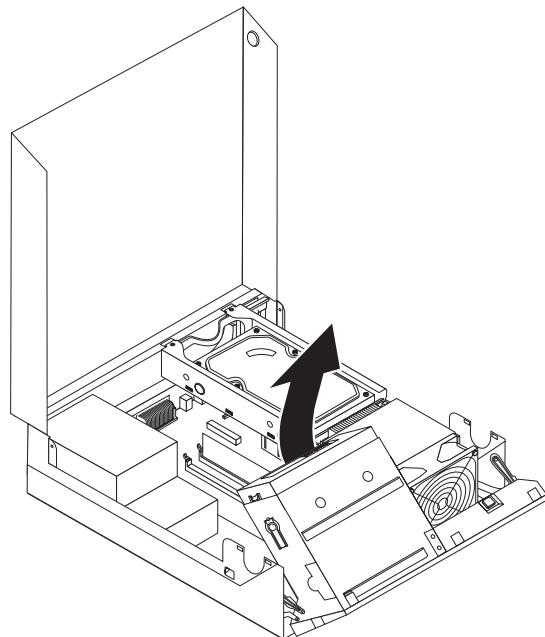
Figure 41. Pivoting the drive bay assembly

Locating components

To open the computer cover, see "Opening the computer cover" on page 126.

Figure 42 shows the location of the various components in your computer.
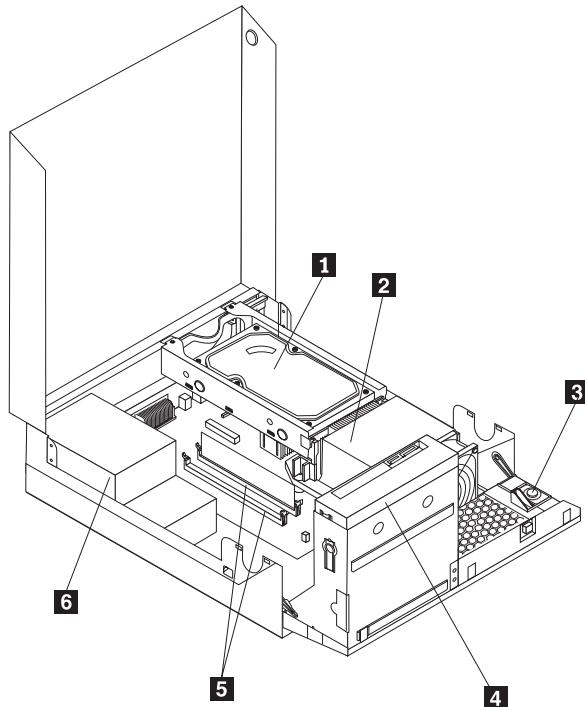
Figure 42. Component locations

1	Hard disk drive	4	Optical drive
2	Heat sink and fan assembly	5	Memory slots
3	Internal speaker	6	Power supply assembly

Locating parts on the system board

Figure 43 shows the location of the parts on the system board.
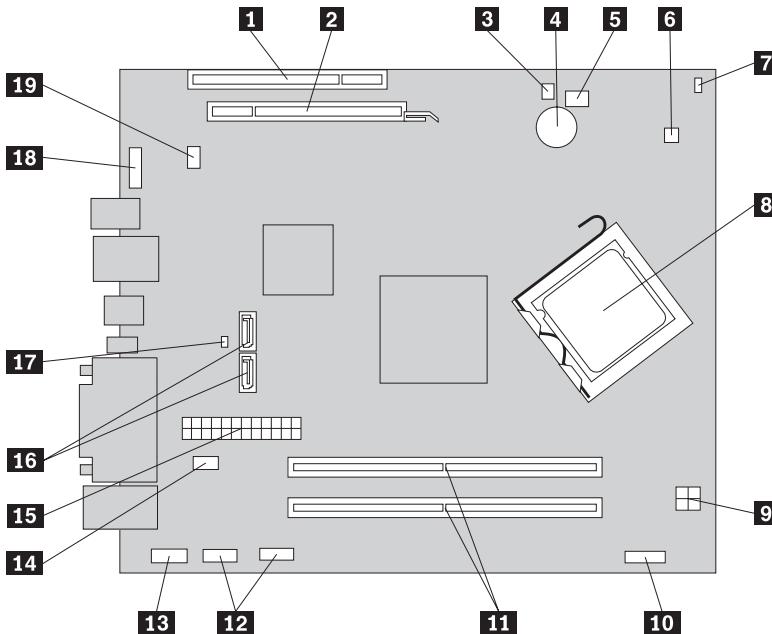
Figure 43. System board parts locations

1 PCI adapter card slot
2 PCI Express x16 graphics adapter card slot
3 Internal speaker connector
4 Battery
5 Microprocessor fan connector
6 Thermal sensor connector
7 Cover presence (Intrusion) switch connector
8 Microprocessor
9 4-pin power connector
10 Front panel connector

11 Memory slots (2)
12 Front USB connectors (2)
13 Serial (COM 2) connector
14 Power fan connector
15 24-pin power connector
16 SATA connectors (2)
17 Clear CMOS (Complementary Metal Oxide Semiconductor)/Recovery jumper
18 Front audio connector
19 System fan connector

Installing or replacing a memory module

> **Attention**
>
> Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to install or replace a memory module.

Your computer has two slots for installing or replacing DDR2 DIMMs (double data rate 2 dual inline memory modules) that provide up to a maximum of 4 GB system memory.

When installing or replacing a memory module, use the following guidelines:
- Use 1.8 V, 240-pin, DDR2 DIMMs (double data rate 2 dual inline memory modules).
- Use 512 MB, 1 GB, or 2 GB memory modules in any combination up to a maximum of 4 GB.

Note: Only DDR2 SDRAM DIMMs can be used.

To install or replace a memory module:
1. Open the computer cover. See "Opening the computer cover" on page 126.
2. Pivot the drive bay assembly upward to access the memory slots. See "Accessing the system board components and drives" on page 127.
3. Remove any parts that might prevent your access to the memory slots.
4. Locate the memory slots.
5. Open the retaining clips.
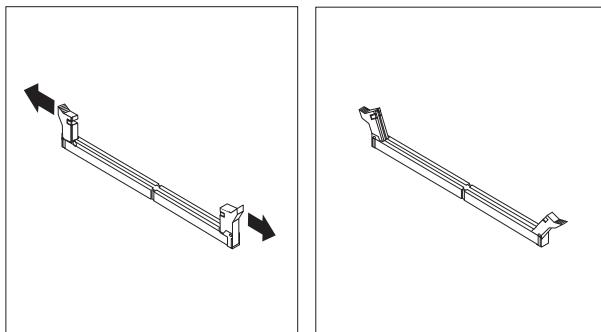
Figure 44. Opening the retaining clips

If you are replacing an old memory module, open the retaining clips and remove the memory module being replaced as shown.
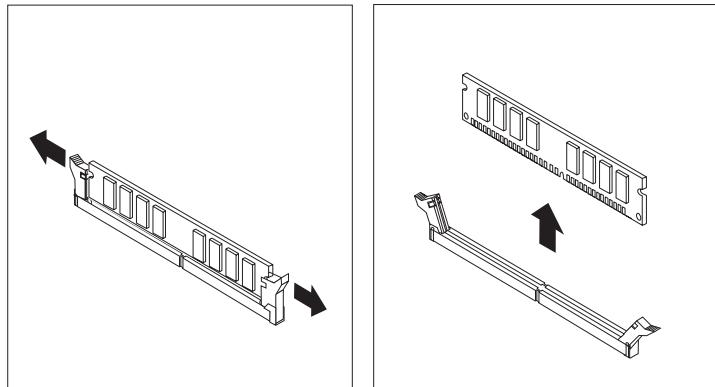
Figure 45. Removing the old memory module

6. Position the memory module over the memory slot. Make sure that the notch 1 on the memory module aligns correctly with the slot key 2 on the system board. Push the memory module straight down into the slot until the retaining clips close.
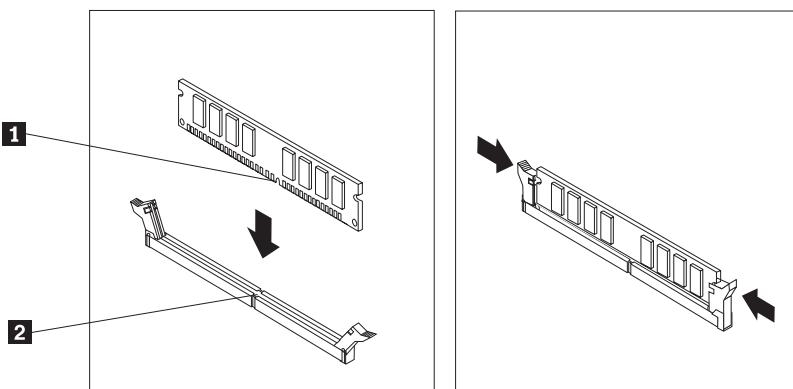
Figure 46. Installing the memory module

What to do next:
- To work with another option, go to the appropriate section.
- To complete the installation, go to "Completing the FRU replacement" on page 155.

Installing or replacing an adapter card

Attention

Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to install or replace an adapter card.

Your computer has one standard adapter card slot and one PCI Express x16 graphics adapter card slot.

To install or replace an adapter card:
1. Open the computer cover. See "Opening the computer cover" on page 126.
2. Rotate the adapter card retainer to the open position.
3. Remove the adapter card from its static-protective package.

4. Install the adapter card into the appropriate adapter card slot on the system board, see "Locating parts on the system board" on page 129. If you are replacing an old adapter card, remove the adapter card being replaced before installing the new one.
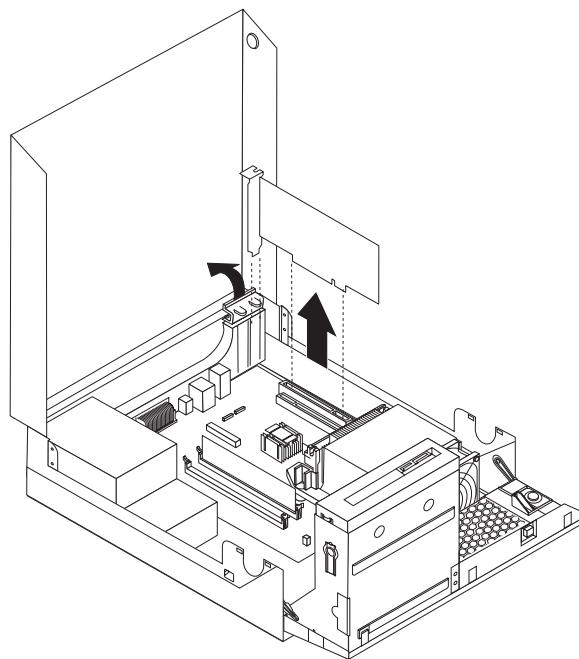
Figure 47. Removing the adapter card

Notes:
a. The adapter card fits tightly into the adapter card slot. If necessary, alternate moving each side of the adapter card a small amount until it is removed from the adapter card slot.
b. If the adapter card is held in place by a retaining latch, press the adapter card retaining latch **1** as shown to disengage the latch. Grasp the adapter card and then gently pull the adapter card out of the slot.
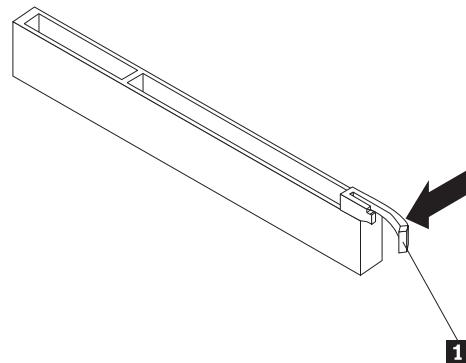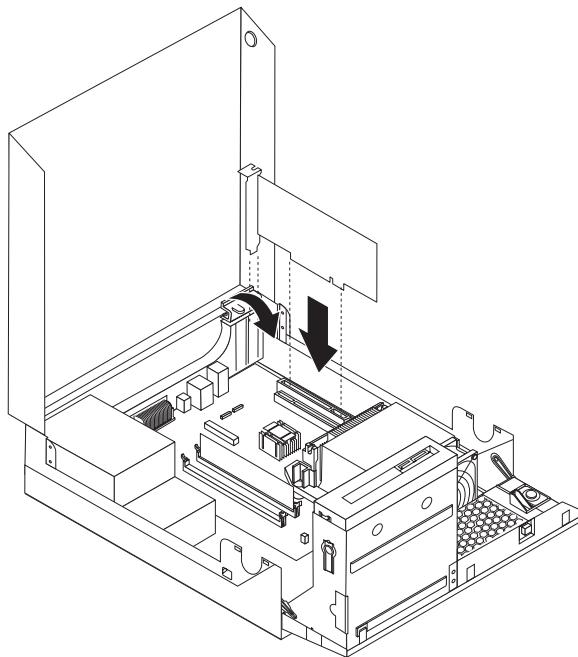
Figure 48. Installing the adapter card

5. Rotate the adapter retainer to the closed position.

What to do next:
- To work with another option, go to the appropriate section.
- To complete the installation, go to "Completing the FRU replacement" on page 155.

Replacing the battery

Attention

Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to replace the battery.

Your computer has a special type of memory that maintains the date, time, and settings for built-in features, such as parallel-port assignments (configuration). A battery keeps this information active when you turn off the computer.

The battery normally requires no charging or maintenance throughout its life; however, no battery lasts forever. If the battery fails, the date, time, and configuration information (including passwords) are lost. An error message is displayed when you turn on the computer.

Refer to the "Lithium battery notice" in the *ThinkCentre Safety and Warranty Guide* for information about replacing and disposing of the battery.

To replace the battery:

1. Open the computer cover. See "Opening the computer cover" on page 126.
2. Locate the battery. See "Locating parts on the system board" on page 129.
3. Remove the old battery.
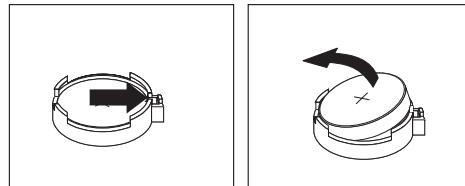
Figure 49. Removing the old battery

4. Install a new battery.
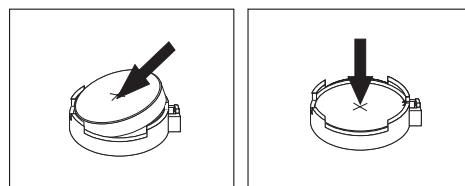
Figure 50. Installing a new battery

5. Reinstall the computer cover and connect the cables. See "Completing the FRU replacement" on page 155.

    Note: When the computer is turned on for the first time after replacing the battery, an error message might be displayed. This is normal after replacing the battery.

6. Turn on the computer and all attached devices.
7. Use the Setup Utility program to set the date, time, and any passwords. See Chapter 6, "Using the Setup Utility," on page 49.

Replacing the hard disk drive

> **Attention**
>
> Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to replace the hard disk drive.

> **Important**
>
> When you receive a new hard disk drive, you also receive a set of *Product Recovery discs*. The set of *Product Recovery discs* will enable you to restore the contents of the hard disk drive to the same state as when your computer was originally shipped from the factory. For more information on recovering factory-installed software, refer to "Recovering software" in your *ThinkCentre User Guide*.

To replace the hard disk drive:

1. Open the computer cover. See "Opening the computer cover" on page 126.
2. You might need to pivot the drive bay assembly upward to gain easy access to the hard disk drive. See "Accessing the system board components and drives" on page 127.
3. Locate the hard disk drive.
4. Push the blue handle of the hard disk drive bracket inwards to release the two clips **1** that secure the hard disk drive to the chassis, and then rotate the hard disk drive upwards and lift it up to remove it from the computer.
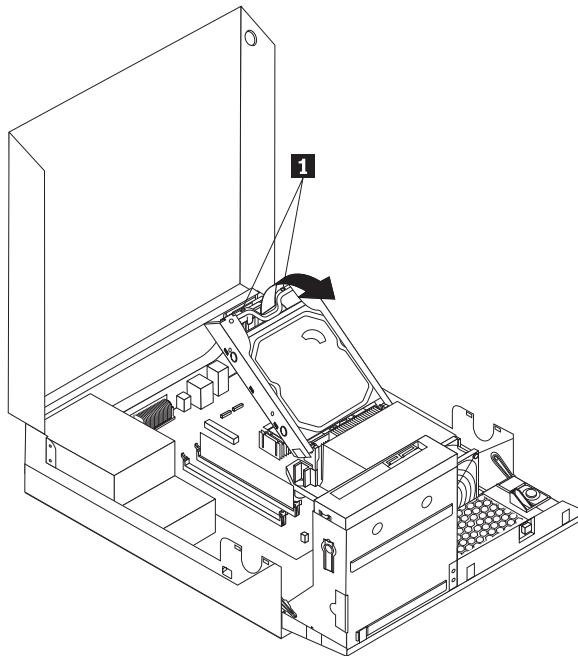
Figure 51. Removing the hard disk drive

5. Disconnect the signal cable and the power cable from the hard disk drive.
6. Remove the old hard disk drive from the bracket by flexing the sides of the bracket enough to slide it free from the hard disk drive.
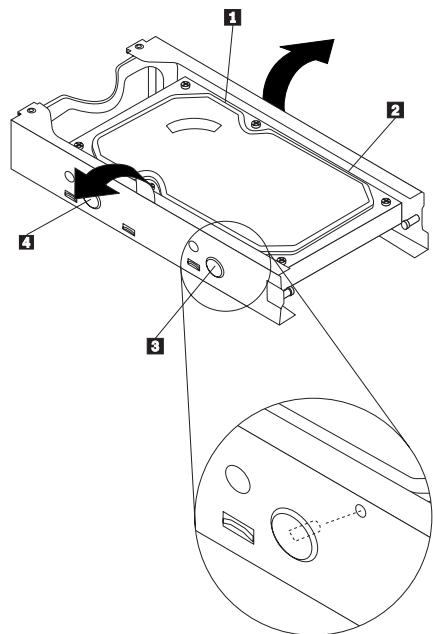
Figure 52. Removing the hard disk drive from the bracket

7. To install a new hard disk drive into the bracket, flex the bracket and align pin **1**, pin **2**, pin **3**, and pin **4** on the bracket with the holes in the hard disk drive.

   Important: Do not touch the circuit board on the bottom of the hard disk drive.
8. Connect the signal cable and the power cable to the new hard disk drive.
9. Install the new hard disk drive and bracket into the rear retainer and rotate down until the two clips on the blue handle of the hard disk drive bracket snap into position.
10. Go to "Completing the FRU replacement" on page 155.

Replacing the optical drive

Attention

Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to replace the optical drive.

To replace the optical drive:
1. Open the computer cover. See "Opening the computer cover" on page 126.
2. Pivot the drive bay assembly upward to gain access to the optical drive. See "Accessing the system board components and drives" on page 127.

3. Disconnect the signal cable and the power cable from the rear of the optical drive.

4. Press the optical drive lock **1** and slide the optical drive out the rear of the drive bay assembly.
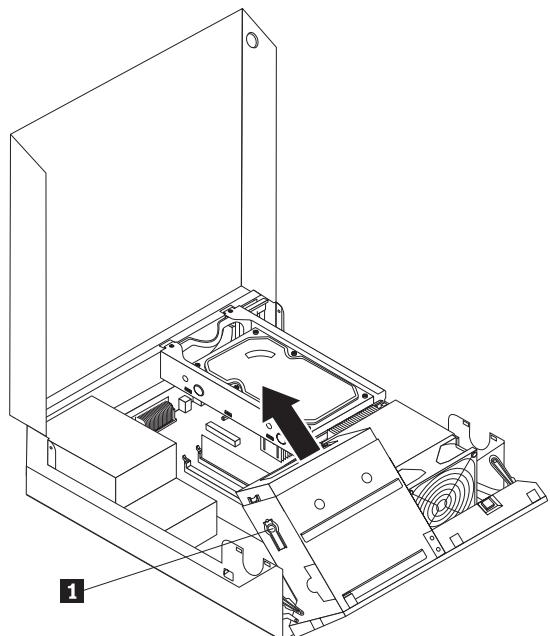
Figure 53. Removing the old optical drive

5. Remove the optical drive retainer from the old optical drive and then install it on the left side of the new optical drive.
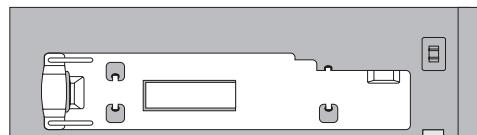
Figure 54. Installing the retainer

6. Slide the new optical drive into the bay until it snaps into position.
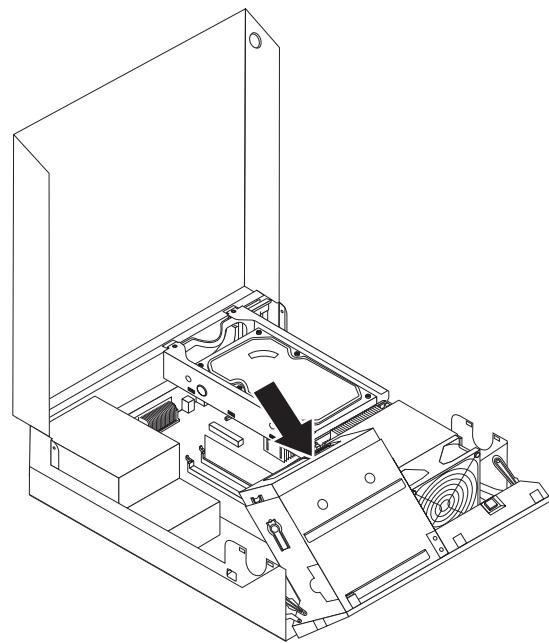
Figure 55. Installing the new optical drive

7. Connect the signal and power cables to the rear of the optical drive.
8. Go to "Completing the FRU replacement" on page 155.

Replacing the power supply assembly

> **Attention**
>
> Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to replace the power supply assembly.

To replace the power supply assembly:
1. Remove the four screws at the rear of the chassis that secure the power supply assembly.
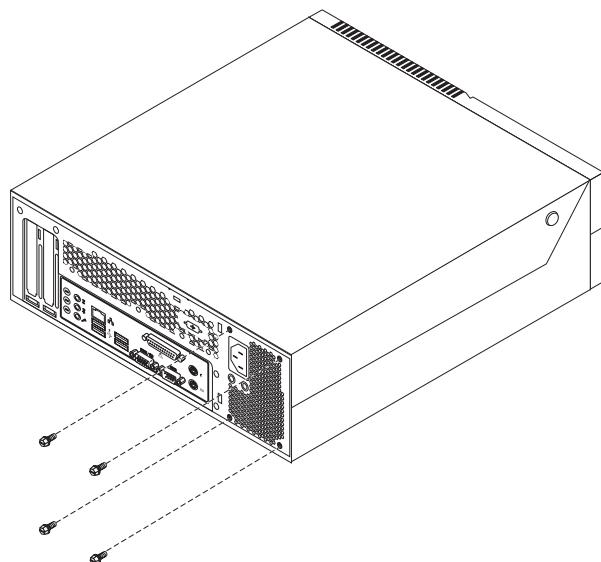
Figure 56. Removing the retaining screws for the power supply assembly

2. Open the computer cover. See "Opening the computer cover" on page 126.
3. Pivot the drive bay assembly upward to gain access to the power supply assembly.
4. Locate the power supply assembly. See "Locating components" on page 128.

5. Disconnect the power supply assembly cables from all drives and from the power connectors 1 and 2.

   Note: You might need to remove the hard disk drive to gain easy access to the power connector 1. See "Replacing the hard disk drive" on page 136.
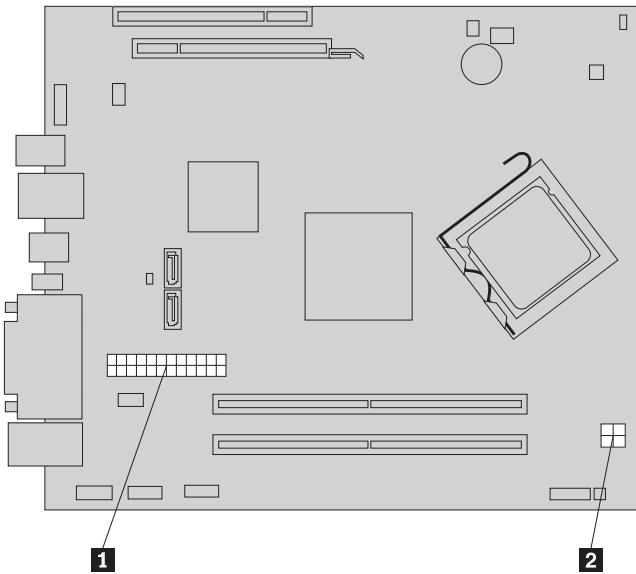
Figure 57. Power connectors on the system board

6. Remove the power supply assembly cables from the cable clips and ties.
7. Slide the power supply assembly away from the chassis and remove it from the computer.
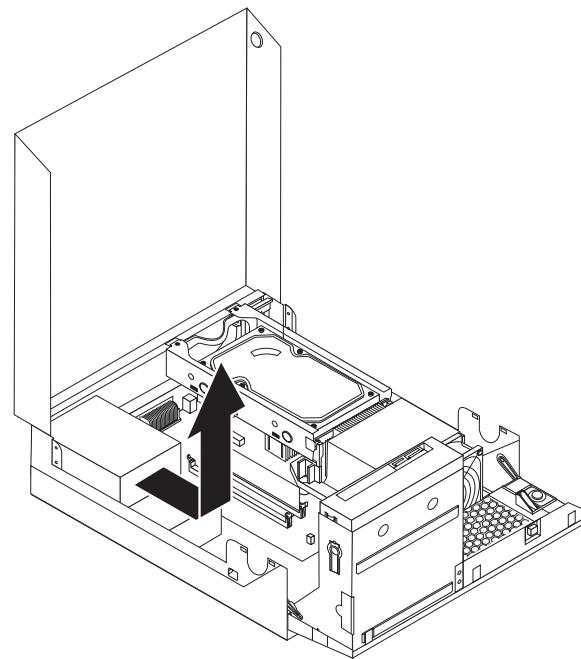
Figure 58. Removing the power supply assembly

8. Install the new power supply assembly into the chassis so that the screw holes in the new power supply assembly align with those in the chassis.

9. Install and tighten the four screws at the rear of the chassis to secure the power supply assembly.

   Note: Use only the screws provided by Lenovo.

10. Reconnect all the power supply assembly cables to the drives and the system board.

11. Go to "Completing the FRU replacement" on page 155.

Replacing the heat sink and fan assembly

Attention
Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to replace the heat sink and fan assembly.

CAUTION:

The heat sink and fan assembly might be very hot. Turn off the computer and wait three to five minutes to let the computer cool before opening the computer cover.

This section provides instructions on how to replace the heat sink and fan assembly.

To replace the heat sink and fan assembly:

1. Open the computer cover. See "Opening the computer cover" on page 126.

2. Pivot the drive bay assembly upward to gain access to the heat sink and fan assembly. See "Accessing the system board components and drives" on page 127.

3. Locate the heat sink and fan assembly and disconnect the heat sink and fan assembly cable from the microprocessor fan connector on the system board. See "Locating parts on the system board" on page 129.

4. Remove the heat sink and fan assembly from the system board by pivoting the lever **1** that secures the heat sink and fan assembly until it is fully in the up position. Carefully lift the heat sink and fan assembly off the system board.

   Notes:

   a. You might have to gently twist the heat sink and fan assembly to free it from the microprocessor.

   b. Do not touch the thermal grease while handling the heat sink and fan assembly.
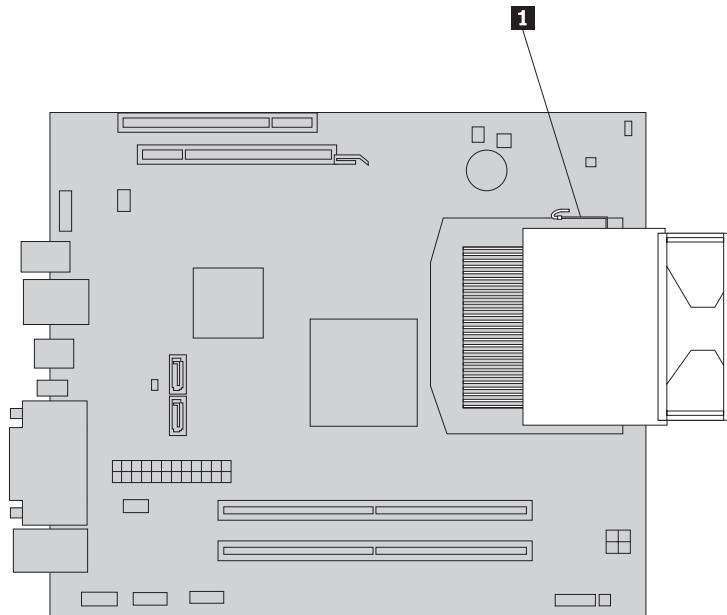
Figure 59. Removing the heat sink and fan assembly

5. Place the new heat sink and fan assembly into position and lower the lever to secure the new heat sink and fan assembly.

6. Connect the new heat sink and fan assembly cable to the microprocessor fan connector on the system board.

7. Go to "Completing the FRU replacement" on page 155.

Replacing the microprocessor

> **Attention**
>
> Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to replace the microprocessor.

CAUTION:

The heat sink and microprocessor might be very hot. Turn off the computer and wait three to five minutes to let the computer cool before opening the computer cover.

To replace the microprocessor:
1. Open the computer cover. See "Opening the computer cover" on page 126.
2. Pivot the drive bay assembly upward to gain access to the system board. See "Accessing the system board components and drives" on page 127.
3. Locate the heat sink and fan assembly and disconnect the heat sink and fan assembly cable from the microprocessor fan connector on the system board. See "Locating parts on the system board" on page 129.
4. Remove the heat sink and fan assembly. See "Replacing the heat sink and fan assembly" on page 142.
5. Place the heat sink and fan assembly on its side so that the thermal grease does not come in contact with anything.
6. Remove the hard disk drive. See "Replacing the hard disk drive" on page 136.
7. Lift the small handle **3** and open the retainer **1** to access the microprocessor **2** .
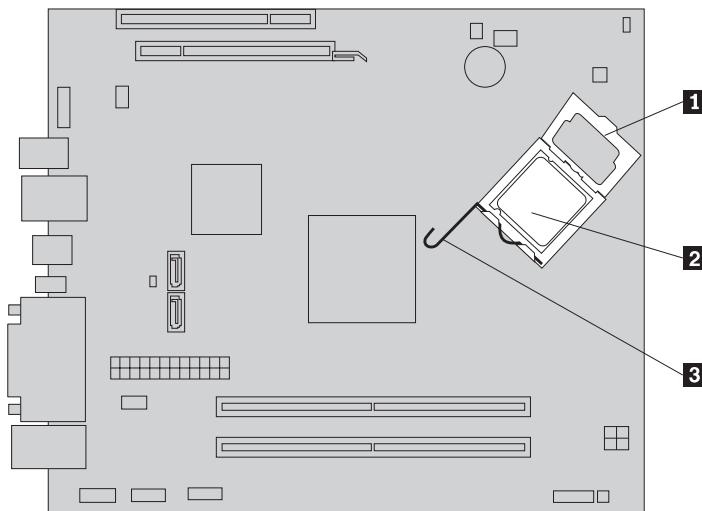
8. Lift the microprocessor straight up and out of the socket.

   Notes:

   a. Your microprocessor and socket might look different from the one illustrated.

   b. Note the orientation of the microprocessor in the socket. You can either look for the small triangle `1` on one corner of the microprocessor or note the orientation of the notches `2` on the microprocessor. This is important when installing the new microprocessor on the system board.
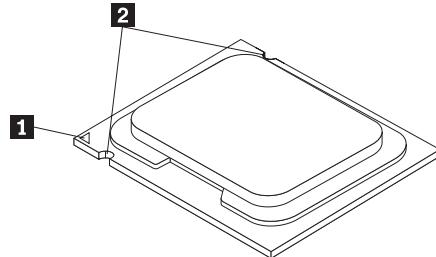
   c. Touch only the sides of the microprocessor. Do not touch the gold contacts on the bottom.

   d. Do not drop anything onto the microprocessor socket while it is exposed. The socket pins must be kept as clean as possible.
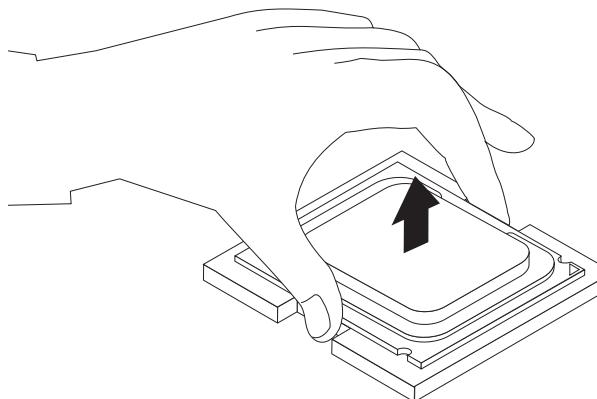
9. Make sure that the small handle is in the raised position.

10. Remove the protective cover **2** that protects the gold contacts on the new microprocessor **1** .

11. Hold the new microprocessor and align the notches on it with the tabs in the microprocessor socket, or align the small triangle on one corner with the corresponding beveled corner of the microprocessor socket.
12. Lower the new microprocessor straight down into the microprocessor socket on the system board.
13. Close the microprocessor retainer and lock it into position with the small handle to secure the new microprocessor in the socket.
14. Reinstall the hard disk drive. See "Replacing the hard disk drive" on page 136.
15. Reinstall the heat sink and fan assembly. See "Replacing the heat sink and fan assembly" on page 142.
16. Reconnect the heat sink and fan assembly cable to the microprocessor fan connector on the system board.
17. Go to "Completing the FRU replacement" on page 155.

Replacing the system board

This section provides instructions on how to replace the system board.

CAUTION:

The heat sink and microprocessor might be very hot. Turn off the computer and wait three to five minutes to let the computer cool before opening the computer cover.

To replace the system board:

1. Open the computer cover. See "Opening the computer cover" on page 126.
2. Pivot the drive bay assembly upward to gain access to the system board. See "Accessing the system board components and drives" on page 127.
3. Remove the hard disk drive. See "Replacing the hard disk drive" on page 136.
4. Remove all memory modules and adapter cards that are currently installed. See "Installing or replacing a memory module" on page 130 and "Installing or replacing an adapter card" on page 132.
5. Carefully take note of the cable routing and the location of all cable connectors on the system board, and then disconnect all the cables. See "Locating parts on the system board" on page 129.
6. Remove the heat sink and fan assembly from the failing system board. See "Replacing the heat sink and fan assembly" on page 142.
7. Remove the heat sink and fan assembly retainer by releasing the four screws that secure the retainer on the system board, and then lifting the retainer off the system board.
8. Carefully slide the system board toward the front of the chassis so that it can be released from the four mounting studs that secure the system board in place, and then lift the system board out of the chassis.
9. Remove the microprocessor socket cover from the new system board.
10. Remove the microprocessor from the failing system board and install it on the new system board. See "Replacing the microprocessor" on page 144.
11. The failing system board must be returned with a microprocessor socket cover to protect the pins during shipping and handling. Install the microprocessor socket cover removed from the new system board on the failing system board.

    To install the microprocessor socket cover:

    a. Make sure the microprocessor has been removed from the microprocessor socket, and then close the microprocessor retainer and lock it into position with the small handle.

b. Insert the tabs **1** of the socket cover into the hinged side of the socket, and then press the other side of the socket cover downward until the tabs **2** snap into position.
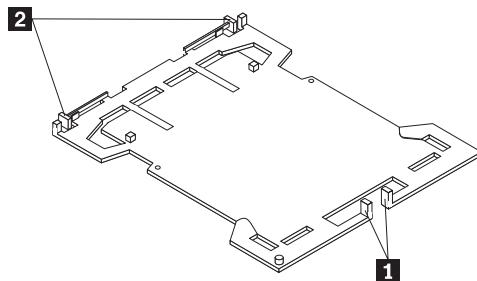
Figure 60. Tabs on the microprocessor socket cover (bottom view)
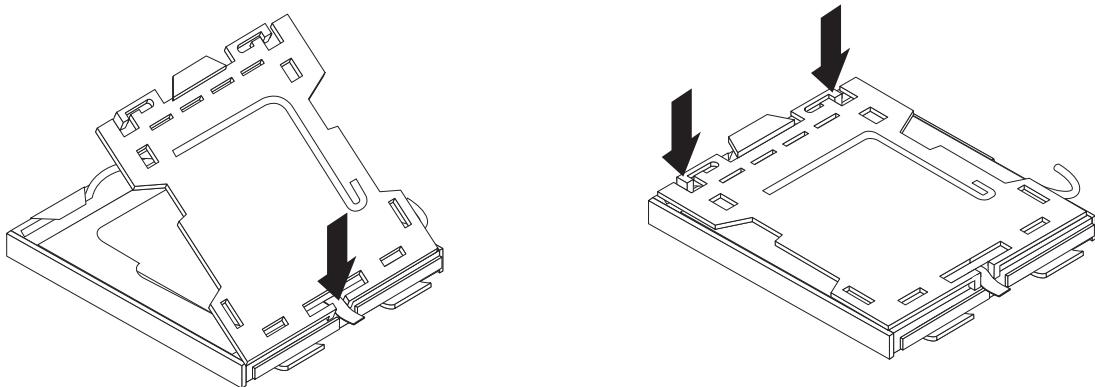
Figure 61. Installing the microprocessor socket cover

12. Install the new system board into the chassis by aligning the four mounting studs in the chassis with the corresponding holes on the new system board, and then carefully slide the new system board in to the chassis until it is secured in place by the four mounting studs.

13. Install the heat sink and fan assembly retainer by aligning the four screw holes on the retainer with the corresponding holes on the new system board, and then tighten the screws to secure the retainer on the new system board.

14. Install the heat sink and fan assembly on the new system board. See "Replacing the heat sink and fan assembly" on page 142. And connect the heat sink and fan assembly cable to the new system board. See "Locating parts on the system board" on page 129.

15. Install all memory modules and adapter cards removed from the failing system board on the new system board.

16. Reinstall the hard disk drive. See "Replacing the hard disk drive" on page 136.

17. Reconnect the power and signal cables to the hard disk drive.

18. Reconnect all remaining cables to the new system board. See "Locating parts on the system board" on page 129.

19. Go to "Completing the FRU replacement" on page 155.

Replacing the card reader

> **Attention**
>
> Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to replace the card reader.

To replace the card reader:
1. Open the computer cover. See "Opening the computer cover" on page 126.
2. Pivot the drive bay assembly upward to gain access to the card reader. See "Accessing the system board components and drives" on page 127.
3. Locate the card reader.
4. Disconnect the card reader cable from the front USB connector on the system board. See "Locating parts on the system board" on page 129.

   Note: Make sure you note the location and routing of the cable when you disconnect the cable from the connector on the system board.
5. Remove the screw that secures the card reader to the chassis.
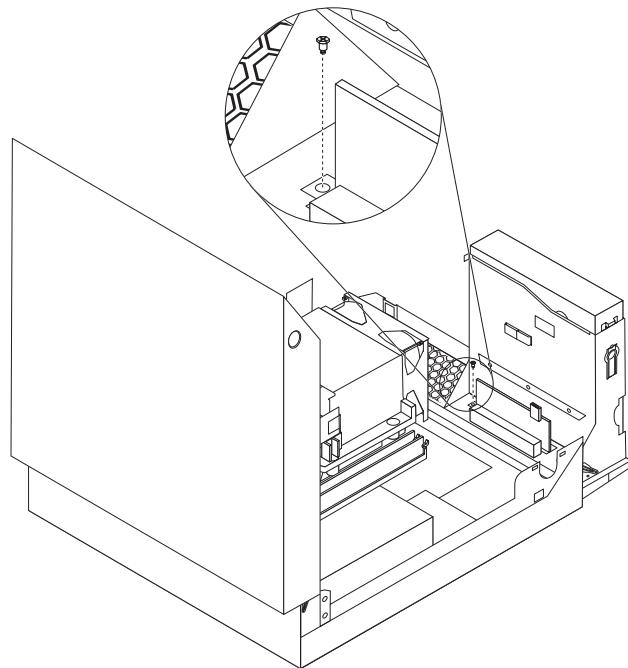
Figure 62. Removing the securing screw of the card reader

6. Remove the card reader from the chassis.
7. Install a new card reader into the chassis and align the screw hole in the new card reader with the hole in the chassis.
8. Install the screw to secure the new card reader to the chassis.
9. Reconnect the card reader cable to the system board.

10. Go to "Completing the FRU replacement" on page 155.

Replacing the front audio and USB assembly

Attention
Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to replace the front audio and USB assembly.

To replace the front audio and USB assembly:

1. Open the computer cover. See "Opening the computer cover" on page 126.
2. Pivot the drive bay assembly upward to gain access to the front audio and USB assembly. See "Accessing the system board components and drives" on page 127.
3. Locate the front audio and USB assembly.
4. Remove the hard disk drive to gain access to the front audio connector on the system board. See "Replacing the hard disk drive" on page 136.
5. Disconnect the front audio and USB assembly cables from the front audio connector and the front USB connector on the system board. See "Locating parts on the system board" on page 129.

   Note: Make sure you note the location and routing of the cables when you disconnect the cables from the connectors on the system board.

6. Remove the screw that secures the front audio and USB assembly to the chassis.
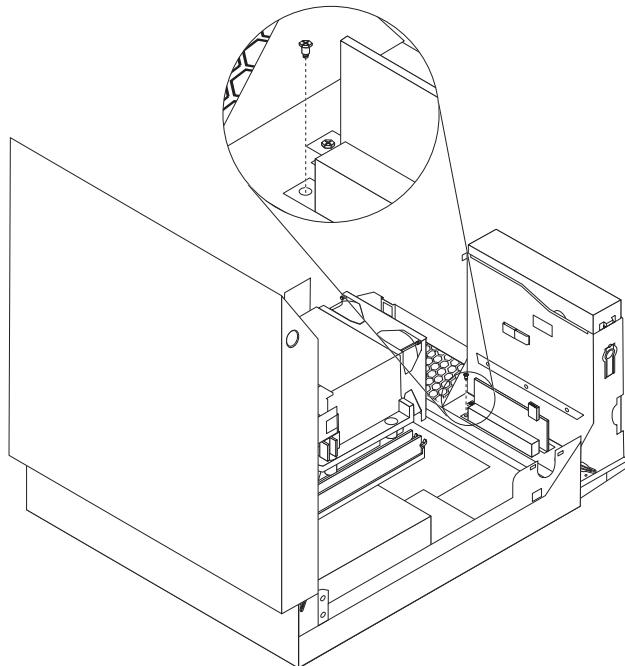
Figure 63. Removing the securing screw of the front audio and USB assembly

7. Remove the front audio and USB assembly from the chassis.
8. Install a new front audio and USB assembly into the chassis and align the screw hole in the new front audio and USB assembly with the hole in the chassis.
9. Install the screw to secure the new front audio and USB assembly to the chassis.
10. Reconnect the front audio and USB assembly cables to the front audio connector and the front USB connector on the system board.
11. Reinstall the hard disk drive. See "Replacing the hard disk drive" on page 136.
12. Go to "Completing the FRU replacement" on page 155.

Replacing the internal speaker

Attention

Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: http://www.lenovo.com/support

This section provides instructions on how to replace the internal speaker.

To replace the internal speaker:
1. Open the computer cover. See "Opening the computer cover" on page 126.

2. Remove the front bezel by releasing the three tabs, pivoting the front bezel outward from the top, and pulling the front bezel off the chassis.
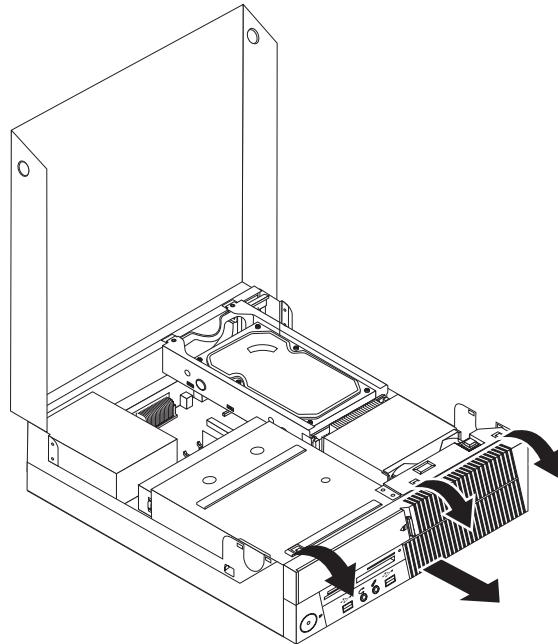
Figure 64. Removing the front bezel

3. Pivot the drive bay assembly upward to gain access to the internal speaker. See "Accessing the system board components and drives" on page 127.
4. Locate the internal speaker. See "Locating components" on page 128.
5. Disconnect the internal speaker cable and the thermal sensor cable from the internal speaker connector and the thermal sensor connector on the system board. See "Locating parts on the system board" on page 129.

6. Push the four tabs on the bottom of the internal speaker one by one as shown to release the internal speaker, and then lift the internal speaker straight up to completely remove it from the chassis.
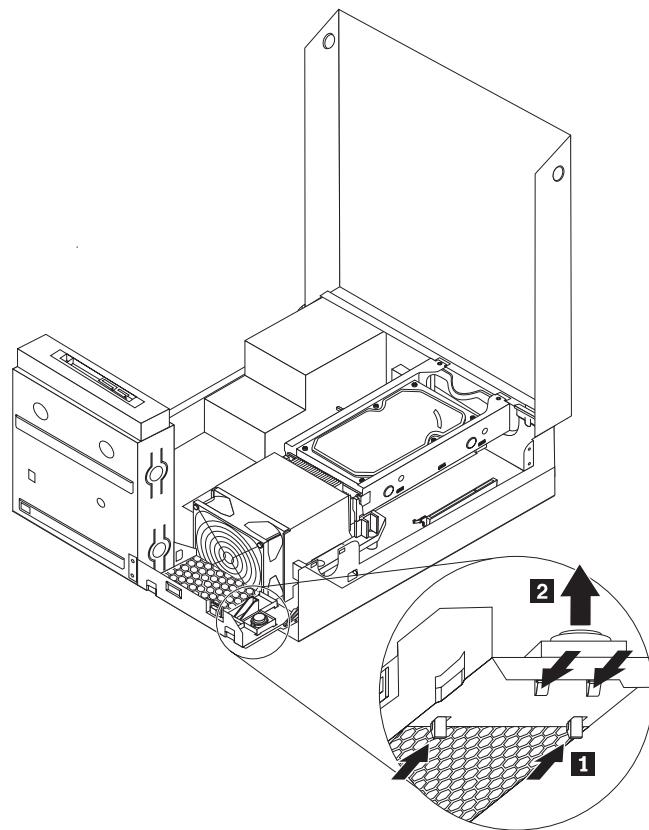
Figure 65. Removing the internal speaker

7. Remove the thermal sensor cable latched on the bottom of the old internal speaker and install it on the new internal speaker.

8. Align the four tabs on the bottom of the new internal speaker with the corresponding holes in the chassis, and push the new internal speaker straight down until it snaps into position.

   Note: Carefully place the thermal sensor cable so that it will not impede the installation of the new internal speaker.
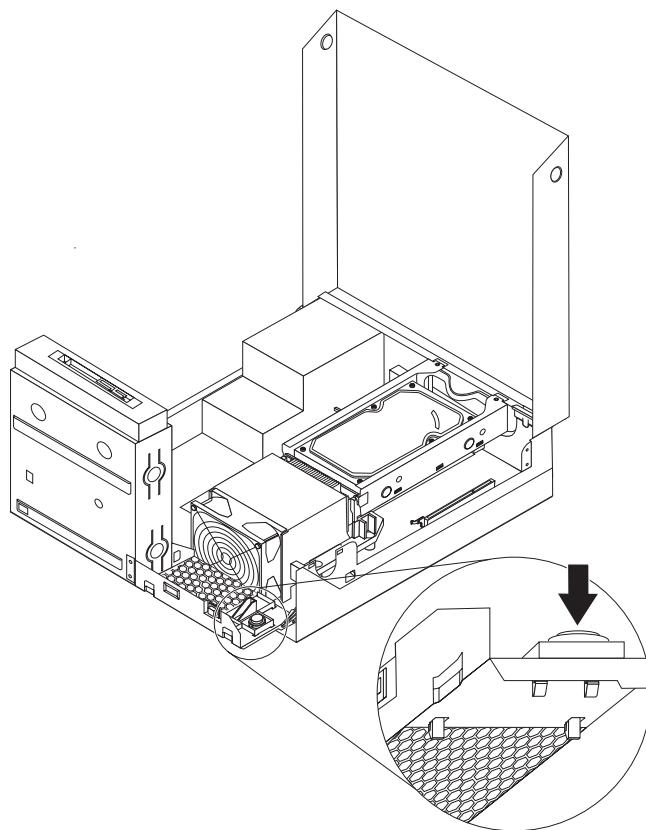
Figure 66. Installing the new internal speaker

9. Reconnect the internal speaker cable and the thermal sensor cable to the system board.
10. Go to "Completing the FRU replacement" on page 155.

Completing the FRU replacement

After replacing the FRUs, you need to reinstall any removed parts, reconnect and route any internal cables, close the computer cover, and reconnect any external cables, including telephone lines and power cords. Depending on the FRUs replaced, you might need to confirm the updated information in the Setup Utility program, see Chapter 6, "Using the Setup Utility," on page 49.

Note: When the power cord is first plugged in, the computer might appear to turn on for a few seconds and then turn off. This is a normal sequence to enable the computer to initialize.

To close the computer cover and reconnect external cables to your computer:

1. Ensure that all components have been reassembled correctly and that no tools or loose screws are left inside your computer. See "Locating components" on page 128 for the location of the various components.
2. Ensure that the internal cables are routed correctly before lowering the drive bay assembly.

> **Important**
>
> Correctly route all power supply cables to avoid interference with the drive bay assembly. Keep cables clear of the hinges and sides of the computer chassis.
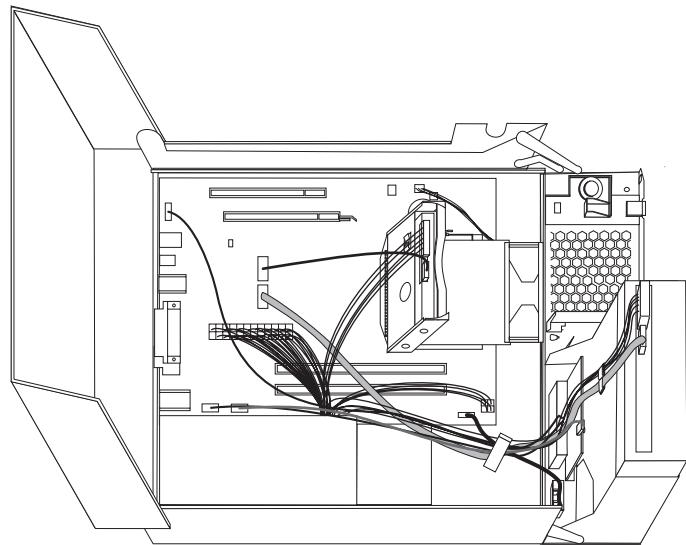
Figure 67. Cable routing

3. Lower the drive bay assembly and place the drive locks to the locked position. Otherwise, you cannot close the computer cover.
4. If you removed the front bezel, reinstall it by aligning the three tabs on the front bezel with the corresponding holes on the chassis and pivoting the front bezel inward until it snaps into position.
5. Close the computer cover.
6. If a computer cover lock is installed, lock the computer cover.

7. Reconnect the external cables and power cords to the computer. See "Locating connectors on the rear of the computer" on page 125.
8. If you have replaced the system board, you must update (flash) the BIOS. See "Updating (flashing) the BIOS from a disc" on page 380.
9. Some FRU replacements require the configuration to be updated. To update your configuration, see Chapter 6, "Using the Setup Utility," on page 49.

Chapter 10. FRU lists

This chapter lists the information on the FRUs for the computers.

Attention: Be sure to read and understand all the safety information before replacing any FRUs.

Note: In the following tables, a customer replaceable unit (CRU) is identified as either ″1″, ″2″, or "N" in the **CRU** column. ″N″ means that the part is not a CRU, ″1″ means that the part is a Self-service CRU, and ″2″ means that the part is an Optional-service CRU.

Machine Type 7515
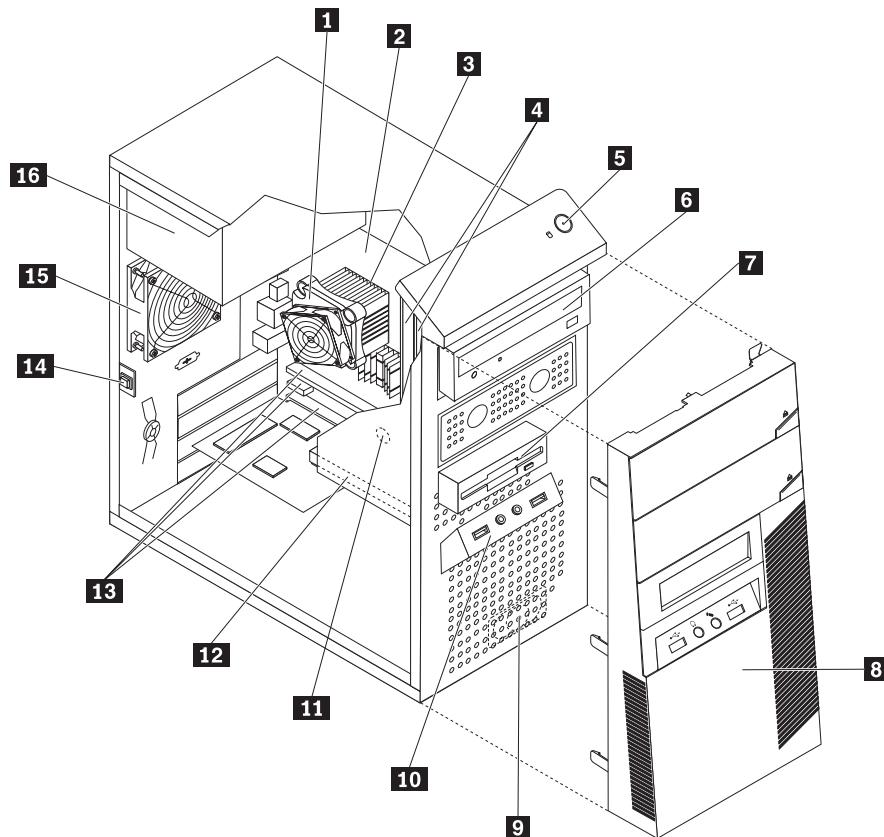
Item#	7515 FRUs	FRU#	CRU
1	Intel 95W/65W heat sink (all models)	43N9409	2
1	Intel 65W heat sink (all models)	43N9708	2

Item#	7515 FRUs	FRU#	CRU
2	System board, Intel G41 MATX(GA) non-AMT (models 91C 91J H6A H6Q H6T H7M H7A H7T A8M B1M B1Q B2Q B2T B3A B5M B5Q B6Q B7Q B8M B8Q D2M D2Q D3M E6M E6A E6Q E7M E7A E7Q E8M E8A E8Q E8K E9A E9Q F1A F1Q F2M F2A F2Q F3M F3A F4M F4A F4Q F4K F5M F5A F5Q F6M F6A F6Q F6K F7M F7A F8A F8Q F9M F9A H1M H1A H2M H2A H3A H3Q 73G 73M 73A 73H 72G 74G 75G 76G 77G 78G 79G 7AG A1S A1P A1Y A4S A4P A4Y A5P A6S A6Y E2S E2P E2D E2Y E4S E4P E4D E4Y E5S E5P E5D E5Y D9U D9F H4U H4F H5U H5F 7CG 7DG)	46R8891	N
3	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models F4M F4A F4Q F4K F5M F5A F5Q F6M F6A F6Q F6K F7M F7A F8A F8Q 72G 74G E5S E5P E5D E5Y 7CG 7DG)	53Y6653	N
3	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models F9M F9A H1M H1A H2M H2A H3A H3Q)	53Y6654	N
3	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST, EM64T, EDB) 65W (models E8M E8A E8Q E8K E9A E9Q F2M F2A F2Q F3M F3A)	53Y9049	N
3	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST, EM64T, EDB) M0 65W (models)	53Y9051	N
3	Microprocessor, Q8300 Yorkfield 2.5GHZ, 1333MHz, 4M R-0 (ViiV, EIST, EM64T, EDB) 95W (models)	53Y6656	N
3	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W (models)	46R8640	N
3	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W (models D2M D2Q)	45C7735	N
3	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W (models 91C 91J B7Q B8M B8Q 73G 73M 73A 73H 77G 78G A5P A6S A6Y E2S E2P E2D E2Y)	45C7736	N
3	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W (models)	45C7737	N
3	Microprocessor, E8190 2.66GHz 1333MHz FSB 6M C-0 - NON VT/Vpro 65W (models)	45R2568	N
3	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W (models)	45R8337	N
3	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W (models B3A B5M B5Q B6Q E6M E6A E6Q E7M E7A E7Q F1A F1Q A4S A4P A4Y)	46R1622	N
3	Microprocessor, E2180 Conroe-L 2.0GHz 800MHz FSB 1M (models)	45C1773	N
3	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M (models)	45C5349	N
3	Microprocessor, E2220 Conroe-L 2.4GHz 800MHz FSB 1M (models)	45C1774	CRU
3	Microprocessor, E5200 2.5G 800MHz 2M M-0 65W, 45nm (models H6A H6Q H6T H7M H7A H7T B1M B1Q B2Q B2T 79G 7AG E4S E4P E4D E4Y D9U D9F H4U H4F H5U H5F)	46R9512	N
3	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W (models)	46R1655	N
3	Microprocessor, E1400 2.0GHz 800MHz FSB 512K - NPI M-0 65W (models 75G 76G)	45R8339	N
3	Microprocessor, E1200 1.6GHZ/800MHZ/512K M-0 65W (models)	45R8341	N
3	Microprocessor, Cel-430 Conroe-L 1.8GHz 800MHz FSB 512K (models A8M A1S A1P A1Y)	43C1964	N
3	Microprocessor, Cel-440 Conroe-L 2.0GHz 800MHz FSB 512K (models)	43C1965	N
3	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W (models)	46R9514	N
3	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W (models)	46R8642	N
3	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W (models)	46R8644	N
3	Microprocessor, Q8200 2.33GHz 1333FSB 4M M-1 95W (models D3M)	46R9516	N
3	Microprocessor, Q6700 2.66GHZ 1066FSB 8M G-0 Stepping Level, 95W (models)	43C6309	N

Item#	7515 FRUs	FRU#	CRU
3	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W (models)	45C7739	N
3	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W (models)	45C7740	N
3	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W (models)	45C7741	N
3	Microprocessor, E5400 2.7G 800MHz 2MB 65W Non-vPro SKU (models)	64Y1075	N
4	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4255	1
4	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4256	1
4	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4257	1
4	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM (models H4U H4F)	41X1079	1
4	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM (models 91C 91J H6A H6Q H6T H7M H7A H7T A8M B1M B1Q B2Q B2T B3A B5M B5Q B6Q B7Q E6M E6A E6Q E7M E7A E7Q E8M E8A E8Q E8K E9A E9Q F1A F1Q F2M F2A F2Q F4M F4A F4Q F4K F5M F5A F5Q F6M F6A F6Q F6K F8A F8Q F9M F9A H1M H1A H3A H3Q A1S A1P A1Y E4S E4P E4D E4Y H5U H5F)	41X1080	1
4	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM (models B8M B8Q D2M D2Q D3M F3M F3A F7M F7A H2M H2A 73G 73M 73A 73H 72G 74G 75G 76G 77G 78G 79G 7AG A4S A4P A4Y A5P A6S A6Y E2S E2P E2D E2Y E5S E5P E5D E5Y D9U D9F 7CG 7DG)	41X1081	1
6	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista (models 91C 91J A8M B3A B6Q H4U H4F)	41N3325	1
6	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista (models H6A H6Q H6T H7M H7A H7T B1M B1Q B2Q B2T B5M B5Q B7Q B8M B8Q D2M D2Q D3M E6M E6A E6Q E7M E7A E7Q E8M E8A E8Q E8K E9A E9Q F1A F1Q F2M F2A F2Q F3M F3A F4M F4A F4Q F4K F5M F5A F5Q F6M F6A F6Q F6K F7M F7A F8A F8Q F9M F9A H1M H1A H2M H2A H3A H3Q 73G 73M 73A 73H 72G 74G 75G 76G 77G 78G 79G 7AG A4S A4P A4Y A5P A6S A6Y E2S E2P E2D E2Y E4S E4P E4D E4Y E5S E5P E5D E5Y D9U D9F H5U H5F 7CG 7DG)	43C1042	1
6	Optical drive, Blu-ray Recorder / DVD Super Multi (models)	53Y7643	1
7	Diskette drive, 3.5″ 1.44MB 2 Mode FDD with Bezel and cable (models)	40Y9107	1
7	Diskette drive, 3.5″ 1.44MB 2 Mode FDD with Bezel and cable (models)	40Y9105	1
8	Front bezel assembly (all models)	43N9662	1
8	Front bezel with ODD door assembly (all models)	43N9694	2
9	Internal speaker 400mm -- Optional (all models)	43N9091	2
11	Battery 3V - Lithium (models 91C 91J H6A H6Q H6T H7M H7A H7T A8M B1M B1Q B2Q B2T B3A B5M B5Q B6Q B7Q B8M B8Q D2M D2Q D3M E6M E6A E6Q E7M E7A E7Q E8M E8A E8Q E8K E9A E9Q F1A F1Q F2M F2A F2Q F3M F3A F4M F4A F4Q F4K F5M F5A F5Q F6M F6A F6Q F6K F7M F7A F8A F8Q F9M F9A H1M H1A H2M H2A H3A H3Q 73G 73M 73A 73H 72G 74G 75G 76G 77G 78G 79G 7AG A1S A1P A1Y A4S A4P A4Y A5P A6S A6Y E2S E2P E2D E2Y E4S E4P E4D E4Y E5S E5P E5D E5Y D9U D9F H4U H4F H5U H5F 7CG 7DG)	45C1566	1
12	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB (models 91C 91J H6A H6Q H6T A8M B3A E6M E6A E6Q E7M E7A E7Q E8M E8A E8Q E8K E9A E9Q F1A F1Q F2M F2A F2Q F4M F4A F4Q F4K F5M F5A F5Q F8A F8Q F9M F9A H3A H3Q 73G 73M 73A 73H 75G 76G A1S A1P A1Y A4S A4P A4Y A5P E2S E2P E2D E2Y E4S E4P E4D E4Y E5S E5P E5D E5Y D9U D9F H4U H4F H5U H5F)	40Y9035	1
12	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB (models H7M H7A H7T B1M B1Q B2Q B2T B5M B5Q B6Q B7Q B8M B8Q F3M F3A F6M F6A F6Q F6K F7M F7A H1M H1A H2M H2A A6S A6Y)	40Y9036	1
12	Hard disk drive, SATA 320GB 7200rpm SATA/8MB (models D2M D2Q D3M 72G 74G 77G 78G 79G 7AG 7CG 7DG)	87H4891	1

Item#	7515 FRUs	FRU#	CRU
12	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB (models)	41X5582	1
12	Hard disk drive, 1TB 7200rpm SATA (models)	45C5973	1
12	Hard disk drive, 150G 10K rpm, SATA (models)	46R8893	1
14	Intrusion Switch Asm 475mm --Optional (all models)	39K5022	2
14	Intrusion Switch Asm (all models)	41R6116	2
15	System fan, rear (all models)	41R6269	2
16	Power supply, ATX 450W 80% power supply, Robust, WW, JP (models 91C 91J H6A H6Q H6T H7M H7A H7T A8M B1M B1Q B2Q B2T B3A B5M B5Q B6Q B7Q B8M B8Q D2M D2Q D3M E6M E6A E6Q E7M E7A E7Q E8M E8A E8Q E8K E9A E9Q F1A F1Q F2M F2A F2Q F3M F3A F4M F4A F4Q F4K F5M F5A F5Q F6M F6A F6Q F6K F7M F7A F8A F8Q F9M F9A H1M H1A H2M H2A H3A H3Q 73G 73M 73A 73H 72G 74G 75G 76G 77G 78G 79G 7AG A1S A1P A1Y A4S A4P A4Y A5P A6S A6Y E2S E2P E2D E2Y E4S E4P E4D E4Y E5S E5P E5D E5Y D9U D9F H4U H4F H5U H5F 7CG 7DG)	41A9721	2
16	Power supply, ATX 280W power supply, Robust, WW (models 91C H6A H6Q H6T H7M H7A H7T A8M B1M B1Q B2Q B2T B3A B5M B5Q B6Q B7Q B8M B8Q D2M D2Q D3M E6M E6A E6Q E7M E7A E7Q E8M E8A E8Q E8K E9A E9Q F1A F1Q F2M F2A F2Q F3M F3A F4M F4A F4Q F4K F5M F5A F5Q F6M F6A F6Q F6K F7M F7A F8A F8Q F9M F9A H1M H1A H2M H2A H3A H3Q 73G 73M 73A 73H 72G 74G 75G 76G 77G 78G 79G 7AG A1S A1P A1Y A4S A4P A4Y A5P A6S A6Y E2S E2P E2D E2Y E4S E4P E4D E4Y E5S E5P E5D E5Y D9U D9F H4U H4F H5U H5F 7CG 7DG)	41A9684	2
16	Power supply, ATX 280W 80% power supply, Robust, WW, JP (models 91C 91J H6A H6Q H6T H7M H7A H7T A8M B1M B1Q B2Q B2T B3A B5M B5Q B6Q B7Q B8M B8Q D2M D2Q D3M E6M E6A E6Q E7M E7A E7Q E8M E8A E8Q E8K E9A E9Q F1A F1Q F2M F2A F2Q F3M F3A F4M F4A F4Q F4K F5M F5A F5Q F6M F6A F6Q F6K F7M F7A F8A F8Q F9M F9A H1M H1A H2M H2A H3A H3Q 73G 73M 73A 73H 72G 74G 75G 76G 77G 78G 79G 7AG A1S A1P A1Y A4S A4P A4Y A5P A6S A6Y E2S E2P E2D E2Y E4S E4P E4D E4Y E5S E5P E5D E5Y D9U D9F H4U H4F H5U H5F 7CG 7DG)	41A9665	2

The FRUs listed in the following tables are not illustrated.

7515 FRUs	FRU#	CRU
System fan, front fan used for 2X500G (all models)	43N9599	2
Shield, 5.25 EMC FOR 1st ODD Bay (all models)	41N8080	1
Cable - SATA 457 mm (RoHS) for ODD (all models)	43N9013	2
Cable - SATA, Second HDD, 120 mm, 1 latching for Device, RoHS (all models)	41R3328	2
Cable - SATA 250 mm (RoHS) for 1st HDD (all models)	43N9012	2
Second HDD Bracket Asm (all models)	41R6106	1
FDD EMC Shield (all models)	41N8078	1
Temp Sense Cable (6pin 460 mm) (all models)	45J9495	2
FDD Cable (all models)	41A7182	2
FDD Cable, 310 mm (all models)	41A7147	2
I/O Shield - Ace (all models)	41N8053	2
HDD Tray (all models)	41R6291	1
ODD/FDD/Cardreader Retainers (all models)	43N9351	1
Cable Clip, FW-6D (all models)	43N9462	2

7515 FRUs	FRU#	CRU
Power switch cable, 760 mm (all models)	45J9512	2
Front I_O cable_R (all models)	45J9506	2
ODD door assembly (all models)	43N9663	1
No FDD cover assembly (all models)	43N9664	1
FDD/Cardreader cover (all models)	43N9665	1
USB cover (all models)	43N9666	1
Top handle assembly (all models)	43N9667	1
3.5″ Convert 2.5″ for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9593	2
Thermal Grease (all models)	91P8835	N

7515 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--US English (models H6A H6Q H7M H7A A8M B1M B1Q B2Q B3A B5M B5Q B6Q B7Q B8M B8Q D2M D2Q D3M E6M E6A E6Q E7M E7A E7Q E8M E8A E8Q E9A E9Q F1A F1Q F2M F2A F2Q F3M F3A F4M F4A F4Q F5M F5A F5Q F6M F6A F6Q F7M F7A F8A F8Q F9M F9A H1M H1A H2M H2A H3A H3Q 73G 73M 73A 73H 72G 74G 75G 76G 77G 78G 79G 7AG D9U H4U H5U 7CG 7DG)	41A5289	1
USB FULL--Arabic (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5290	1
USB FULL--Arabic/French (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5291	1
USB FULL--Belgium French (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5292	1
USB FULL--Belgium English (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5293	1
USB FULL--Brazilian Portuguese (models A1P A4P A5P E2P E4P E5P)	41A5294	1
USB FULL--Bulgarian (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5295	1
USB FULL--Chinese/US (models)	41A5296	1
USB FULL--Czech (ABB) (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5297	1
USB FULL--Danish (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5298	1
USB FULL--Dutch (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5299	1
USB FULL--French (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5300	1
USB FULL--French Canadian (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG D9F H4F H5F 7CG 7DG)	41A5301	1
USB FULL--French Canadian (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG D9F H4F H5F 7CG 7DG)	41A5302	1
USB FULL--German (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5303	1
USB FULL--Greek (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5304	1
USB FULL--Greek/US (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5305	1
USB FULL--Hebrew (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5306	1
USB FULL--Hungarian (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5307	1
USB FULL--Iceland (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5308	1
USB FULL--Italy (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5309	1
USB FULL--Japanese (models 91J)	41A5310	1
USB FULL--Korean (models E8K F4K F6K)	41A5311	1
USB FULL--LA Spanish (models A1S A1Y A4S A4Y A6S A6Y E2S E2D E2Y E4S E4D E4Y E5S E5D E5Y)	41A5312	1
USB FULL--Norwegian (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5313	1

7515 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--Polish (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5314	1
USB FULL--Portuguese (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5315	1
USB FULL--Romanian (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5317	1
USB FULL--Romanian (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5316	1
USB FULL--Russian/Cyrillic (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5318	1
USB FULL--Serbian/Cyrillic (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5319	1
USB FULL--Slovak (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5320	1
USB FULL--Spanish (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5321	1
USB FULL--Swedish/Finnish (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5322	1
USB FULL--Swiss French/German (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5323	1
USB FULL--Thailand (models H6T H7T B2T)	41A5324	1
USB FULL--Turkish (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5325	1
USB FULL--Turkish (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5326	1
USB FULL --UK English (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5327	1
USB FULL--US Euro (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5328	1
USB FULL--Slovenian (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41A5329	1
USB FULL--Lithuanian (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	45J4896	1
USB FULL--Estonia (models CTO)	51J0059	1

7515 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
US English (models)	41R0038	1
Arabic (models)	41R0039	1
Arabic/French (models)	41R0040	1
Belgium French (models)	41R0041	1
Belgium English (models)	41R0042	1
Brazilian Portuguese (models)	41R0043	1
Bulgarian (models)	41R0044	1
Chinese/US (models)	41R0045	1
Czech (ABB) (models)	41R0046	1
Danish (models)	41R0047	1
Dutch (models)	41R0048	1
French (models)	41R0049	1
French Canadian (models)	41R0050	1
French Canadian (models)	41R0051	1
German (models)	41R0052	1
Greek (models)	41R0053	1
Greek/US (models)	41R0054	1
Hebrew (models)	41R0055	1
Hungarian (models)	41R0056	1

7515 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
Iceland (models)	41R0057	1
Italian (models)	41R0058	1
Japanese (models)	41R0059	1
Korean (models)	41R0060	1
LA Spanish (models)	41R0061	1
Norwegian (models)	41R0062	1
Polish (models)	41R0063	1
Portuguese (models)	41R0064	1
Romanian (models)	41R0065	1
Romanian (models)	41R0066	1
Russian/Cyrillic (models)	41R0067	1
Serbian/Cyrillic (models)	41R0068	1
Slovak (models)	41R0069	1
Spanish (models)	41R0070	1
Swedish/Finnish (models)	41R0071	1
Swiss French/German (models)	41R0072	1
Thailand (models)	41R0073	1
Turkish (models)	41R0074	1
Turkish (models)	41R0075	1
UK English (models)	41R0076	1
US Euro (models)	41R0077	1
Slovenian (models)	41R0078	1

7515 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--US English (models)	41A5039	1
PS/2 Full--Arabic (models)	41A5040	1
PS/2 Full--Arabic (New) (models)	45J4880	1
PS/2 Full--Arabic/French (models)	41A5041	1
PS/2 Full--Belgium French (models)	41A5042	1
PS/2 Full--Belgium English (models)	41A5043	1
PS/2 Full--Brazilian Portuguese (models)	41A5044	1
PS/2 Full--Bulgarian (models)	41A5045	1
PS/2 Full--Chinese/US (models)	41A5046	1
PS/2 Full--Czech (ABB) (models)	41A5047	1
PS/2 Full--Danish (models)	41A5048	1
PS/2 Full--Dutch (models)	41A5049	1
PS/2 Full--French (models)	41A5050	1
PS/2 Full--French Canadian (models)	41A5051	1
PS/2 Full--French Canadian (models)	41A5052	1
PS/2 Full--German (models)	41A5053	1
PS/2 Full--Greek (models)	41A5054	1

7515 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--Greek/US (models)	41A5080	1
PS/2 Full--Hebrew (models)	41A5055	1
PS/2 Full--Hungarian (models)	41A5056	1
PS/2 Full--Iceland (models)	41A5057	1
PS/2 Full--Italian (models)	41A5058	1
PS/2 Full--Japanese (models)	41A5059	1
PS/2 Full--Korean (models)	41A5060	1
PS/2 Full--LA Spanish (models)	41A5061	1
PS/2 Full--Norwegian (models)	41A5062	1
PS/2 Full--Polish (models)	41A5063	1
PS/2 Full--Portuguese (models)	41A5064	1
PS/2 Full--Romanian (models)	41A5065	1
PS/2 Full--Russian/Cyrillic (models)	41A5066	1
PS/2 Full--Serbian/Cyrillic (models)	41A5067	1
PS/2 Full--Slovak (models)	41A5068	1
PS/2 Full--Spanish (models)	41A5069	1
PS/2 Full--Swedish/Finnish (models)	41A5070	1
PS/2 Full--Swiss French/German (models)	41A5071	1
PS/2 Full--Thailand (models)	41A5072	1
PS/2 Full--Turkish (models)	41A5073	1
PS/2 Full--Turkish (models)	41A5074	1
PS/2 Full--UK English (models)	41A5075	1
PS/2 Full--US Euro (models)	41A5076	1
PS/2 Full--Slovenian (models)	41A5077	1

7515 Mice	FRU#	CRU
Optical Wheel Mouse OPT (400DPI, USB) (models 91C 91J H6A H6Q H6T H7M H7A H7T A8M B1M B1Q B2Q B2T B3A B5M B5Q B6Q B7Q B8M B8Q D2M D2Q D3M E6M E6A E6Q E7M E7A E7Q E8M E8A E8Q E8K E9A E9Q F1A F1Q F2M F2A F2Q F3M F3A F4M F4A F4Q F4K F5M F5A F5Q F6M F6A F6Q F6K F7M F7A F8A F8Q F9M F9A H1M H1A H2M H2A H3A H3Q 73G 73M 73A 73H 72G 74G 75G 76G 77G 78G 79G 7AG A1S A1P A1Y A4S A4P A4Y A5P A6S A6Y E2S E2P E2D E2Y E4S E4P E4D E4Y E5S E5P E5D E5Y D9U D9F H4U H4F H5U H5F 7CG 7DG)	41U3013	1
Optical Wheel Mouse OPT (400DPI, USB) (models 91C 91J H6A H6Q H6T H7M H7A H7T A8M B1M B1Q B2Q B2T B3A B5M B5Q B6Q B7Q B8M B8Q D2M D2Q D3M E6M E6A E6Q E7M E7A E7Q E8M E8A E8Q E8K E9A E9Q F1A F1Q F2M F2A F2Q F3M F3A F4M F4A F4Q F4K F5M F5A F5Q F6M F6A F6Q F6K F7M F7A F8A F8Q F9M F9A H1M H1A H2M H2A H3A H3Q 73G 73M 73A 73H 72G 74G 75G 76G 77G 78G 79G 7AG A1S A1P A1Y A4S A4P A4Y A5P A6S A6Y E2S E2P E2D E2Y E4S E4P E4D E4Y E5S E5P E5D E5Y D9U D9F H4U H4F H5U H5F 7CG 7DG)	41U3030	1
PS/2 Three button ball mouse scrollpoint (41R0017) (models)	41R0018	1

7515 Adapters and miscellaneous FRUs	FRU#	CRU
Internal 25 in 1 USB Memory Card Reader (models)	45R8139	1

7515 Adapters and miscellaneous FRUs	FRU#	CRU
IEEE 1394 Firewire Adapter ATX (models)	41D2781	1
Speaker power brick - US, Canada, LA low voltage, ASEAN (models D9U H4U H5U)	89P8571	1
Speaker power brick - LA high voltage (non-APU) (models)	89P8575	1
Speaker power brick - Simplified Chinese, Thailand EMEA (models 91C 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	89P8581	1
Speaker power brick - Japanese (models 91J)	89P8577	1
Speaker power brick - Brazil (models)	89P8583	1
Speaker power brick - Argentina (models)	41A4901	1
Speaker power brick - ANZ (models H7M A8M B1M B5M B8M D2M D3M E6M E7M E8M F2M F3M F4M F5M F6M F7M F9M H1M H2M 73M)	89P8579	1
Speaker power brick - Korea (models)	41A4903	1
Speaker power brick - Hong Kong, EMEA, Ireland (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	89P8573	1
Speaker power brick -Taiwan-Traditional Chinese (models)	41A4905	1
Speaker power brick - India, South Africa (models H6Q B1Q B2Q B5Q B6Q B7Q B8Q D2Q E6Q E7Q E8Q E9Q F1Q F2Q F4Q F5Q F6Q F8Q H3Q)	89P8585	1
2-pc external speaker--primary (models)	41A5331	1
2-pc external speaker-secondary (models)	41A5334	1
DVI-I(M)-VGA(F) cord (models)	41R3342	1
Geforce 9500GT GDDR3 512MB - DVI+HDMI+DP (models)	46R1524	1
ATI HD3470 GDDR3 256MB - VGA+DP (models)	46R1521	1
ADD2 DVI-D Adapter, (HDCP) DVD-D connection Adapter Low Profile (Silicon Image) (models 91U 77G 78G)	43C0258	1
DisplayPort to DVI-D Dongle (models)	43N9160	1
DisplayPort to VGA Dongle (models)	45J9524	1
Modem phone cable (models)	39K5120	1
LI300mm Rear USB 2Ports II HP® (models)	42Y8005	2
LI350mm Rear Com2 cable II mini® (models)	41R8548	2
NVIDIA G100 DDR2 256MB ATX - DVI-I+VGA (models 91U CTO)	53Y9249	1
Soft Modem V.90/V.44 ATX (models)	46R4220	1

7515 Power Cords (Primary)	FRU #	CRU
Power cord - US (models H6A H6T H7A H7T B2T B3A E6A E7A E8A E9A F1A F2A F3A F4A F5A F6A F7A F8A F9A H1A H2A H3A 73A A1S A1Y A4S A4Y A6S A6Y E2S E2Y E4S E4Y E5S E5Y D9U D9F H4U H4F H5U H5F)	41R3184	1
Power cord - China (models 91C)	41R3256	1
Power Cord - Japanese and Japanese English (models 91J)	41R3248	1
Power cord - Brazil (models)	41R3270	1
Power cord - LA High Volt (APU) (models)	41R3176	1
Power cord - Australia / New Zealand (models)	41R3196	1
Power cord - Korea (models)	41R3260	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 73H)	41R3224	1
Power cord - Taiwan (models)	41R3278	1

7515 Power Cords (Primary)	FRU #	CRU
Power cord - Italy (models)	41R3232	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models H6A H6T H7A H7T B2T B3A E6A E7A E8A E9A F1A F2A F3A F4A F5A F6A F7A F8A F9A H1A H2A H3A 73A A1S A1Y A4S A4Y A6S A6Y E2S E2Y E4S E4Y E5S E5Y D9U D9F H4U H4F H5U H5F)	41R3208	1
Power cord - Denmark (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41R3212	1
Power cord - Switzerland (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41R3228	1
Power cord - Israel (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41R3236	1
Power cord - South Africa (models H6A H7M H7A A8M B1M B3A B5M B8M D2M D3M E6M E6A E7M E7A E8M E8A E9A F1A F2M F2A F3M F3A F4M F4A F5M F5A F6M F6A F7M F7A F8A F9M F9A H1M H1A H2M H2A H3A 73G 73M 73A 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41R3220	1
Power cord - India (models H6Q B1Q B2Q B5Q B6Q B7Q B8Q D2Q E6Q E7Q E8Q E9Q F1Q F2Q F4Q F5Q F6Q F8Q H3Q)	41R3341	1
Power cord - Thailand (models H6T H7T B2T)	43N9029	1

7515 Power Cords (Secondary)	FRU#	CRU
Power cord - US (models H6A H6T H7A H7T B2T B3A E6A E7A E8A E9A F1A F2A F3A F4A F5A F6A F7A F8A F9A H1A H2A H3A 73A A1S A1Y A4S A4Y A6S A6Y E2S E2Y E4S E4Y E5S E5Y D9U D9F H4U H4F H5U H5F)	41R3185	1
Power cord - China (models 91C)	41R3257	1
Power Cord - Japanese and Japanese English (models 91J)	41R3249	1
Power cord - Brazil (models)	41R3271	1
Power cord - LA High Volt (APU) (models)	41R3177	1
Power cord - Australia / New Zealand (models)	41R3197	1
Power cord - Korea (models)	41R3261	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 73H)	41R3225	1
Power cord - Taiwan (models)	41R3279	1
Power cord - Italy (models)	41R3233	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models H6A H6T H7A H7T B2T B3A E6A E7A E8A E9A F1A F2A F3A F4A F5A F6A F7A F8A F9A H1A H2A H3A 73A A1S A1Y A4S A4Y A6S A6Y E2S E2Y E4S E4Y E5S E5Y D9U D9F H4U H4F H5U H5F)	41R3209	1
Power cord - Denmark (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41R3213	1
Power cord - Switzerland (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41R3229	1
Power cord - Israel (models 73G 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41R3237	1
Power cord - South Africa (models H6A H7M H7A A8M B1M B3A B5M B8M D2M D3M E6M E6A E7M E7A E8M E8A E9A F1A F2M F2A F3M F3A F4M F4A F5M F5A F6M F6A F7M F7A F8A F9M F9A H1M H1A H2M H2A H3A 73G 73M 73A 72G 74G 75G 76G 77G 78G 79G 7AG 7CG 7DG)	41R3221	1
Power cord - India (models H6Q B1Q B2Q B5Q B6Q B7Q B8Q D2Q E6Q E7Q E8Q E9Q F1Q F2Q F4Q F5Q F6Q F8Q H3Q)	41R3175	1
Power cord - Thailand (models H6T H7T B2T)	43N9030	1
Power cord - Y cable for Brazil (models)	43N9044	1

7515 Windows XP Home Recovery CDs	FRU#	CRU
US English/UK/Asia Pacific (models)	TBD	1
French/French Canadian (models)	TBD	1
Greek (models)	TBD	1
Italy (models)	TBD	1
Brazilian (models)	TBD	1
Spanish/LA (models)	TBD	1
Danish (models)	TBD	1
Dutch (models)	TBD	1
Arabic (models)	TBD	1
Swedish (models)	TBD	1
Hebrew (models)	TBD	1
Finnish (models)	TBD	1
Norwegian (models)	TBD	1
Polish (models)	TBD	1
Portuguese (models)	TBD	1
Russian (models)	TBD	1
Russian English (models)	TBD	1
Hungarian (models)	TBD	1
Czech (models)	TBD	1
Turkish native (models)	TBD	1
Greek (models)	TBD	1
Japanese (models)	TBD	1
Simplified Chinese (models)	TBD	1
Taiwan-TC (models)	TBD	1
Hong Kong-TC (models)	TBD	1
Korean (models)	TBD	1

7515 Windows XP Pro Recovery CDs	FRU#	CRU
US English (models H7M H7A A8M B1M B1Q B3A E7M E7A E7Q F2M F2A F2Q F4M F4A F4Q F6M F6A F6Q F9M F9A H1M H1A 74G 76G 78G 79G D9U H4U H5U 7DG)	64Y5685	1
French (models 74G 76G 78G 79G D9F H4F H5F 7DG)	64Y5686	1
German (models 74G 76G 78G 79G 7DG)	64Y5687	1
Italian (models)	64Y5690	1
Brazilian Portuguese (models 74G 76G 78G 79G 7DG)	64Y5689	1
Spanish (models 74G 76G 78G 79G 7DG)	64Y5688	1
Danish (models 74G 76G 78G 79G 7DG)	64Y5694	1
Dutch (models 74G 76G 78G 79G 7DG)	64Y5695	1
Arabic (models 74G 76G 78G 79G 7DG)	64Y5699	1
Swedish (models 74G 76G 78G 79G 7DG)	64Y5693	1
Hebrew (models 74G 76G 78G 79G 7DG)	63Y8286	1
Finnish (models 74G 76G 78G 79G 7DG)	64Y5697	1

7515 Windows XP Pro Recovery CDs	FRU#	CRU
Norwegian (models 74G 76G 78G 79G 7DG)	64Y5692	1
Polish (models 74G 76G 78G 79G 7DG)	64Y5698	1
Portuguese (models 74G 76G 78G 79G 7DG)	63Y8294	1
Russian (models 74G 76G 78G 79G 7DG)	64Y5700	1
Russian English (models 74G 76G 78G 79G 7DG)	63Y8290	1
Hungarian (models 74G 76G 78G 79G 7DG)	63Y8292	1
Czech (models 74G 76G 78G 79G 7DG)	64Y5696	1
Turkish (models 74G 76G 78G 79G 7DG)	64Y5701	1
Greek (models 74G 76G 78G 79G 7DG)	64Y5702	1
Slovenian (models 74G 76G 78G 79G 7DG)	63Y8295	1
Japanese (models)	64Y6068	1
Simplified Chinese (models)	64Y5703	1
Taiwan-TC (models)	64Y5704	1
Hong Kong-TC (models)	64Y5705	1
Korea (models)	63Y8299	1
MUI Nordics (EN-DK-FI-NO-SV) (models H7M H7A A8M B1M B1Q B3A E7M E7A E7Q F2M F2A F2Q F4M F4A F4Q F6M F6A F6Q F9M F9A H1M H1A 74G 76G 78G 79G D9U H4U H5U 7DG)	64Y4801	1
MUI Switz (US EN-FR -GR-IT) (models H7M H7A A8M B1M B1Q B3A E7M E7A E7Q F2M F2A F2Q F4M F4A F4Q F6M F6A F6Q F9M F9A H1M H1A 74G 76G 78G 79G D9U H4U H5U 7DG D9F H4F H5F)	64Y4802	1
MUI Bel-Lux (EN-FR-GR-NL) (models H7M H7A A8M B1M B1Q B3A E7M E7A E7Q F2M F2A F2Q F4M F4A F4Q F6M F6A F6Q F9M F9A H1M H1A 74G 76G 78G 79G D9U H4U H5U 7DG D9F H4F H5F)	64Y4803	1

7515 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2771	1
French (models)	64Y2773	1
German (models)	64Y2774	1
Spanish (models)	64Y2775	1
Brazilian (models)	64Y2776	1
Italian (models)	64Y2777	1
Japanese (models)	64Y6073	1
Dutch (models)	64Y2791	1
Czech (models)	64Y2778	1
Polish (models)	64Y2779	1
Russian (models)	64Y2780	1
Turkish (models)	64Y2781	1
Hungarian (models)	64Y2782	1
Greek (models)	64Y2783	1
Portuguese (models)	64Y2794	1
Simplified Chinese (models)	64Y2785	1

7515 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
Hong Kong (models)	64Y2787	1
Traditional Chinese (models)	64Y2786	1
Korean (models)	64Y2788	1
Slovenian (models)	64Y2789	1
Russian English (models)	64Y2772	1
Hebrew (models)	64Y2792	1
Arabic Localized (models)	64Y2790	1
Slovakian (models)	64Y2796	1
Romanian (models)	64Y2793	1
Serbian-Latin (models)	64Y2795	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2797	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2798	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2799	1

7515 Vista Business 32 Recovery DVDs	FRU#	CRU
US English (models B5M B5Q B8M B8Q D2M D2Q D3M 73G 73M 73A 73H 7CG)	64Y2684	1
French (models 73G 7CG)	64Y2686	1
German (models 73G 7CG)	64Y2687	1
Spanish (models 73G 7CG)	64Y2688	1
Brazilian Portuguese (models)	64Y2689	1
Italian (models 73G 7CG)	64Y2690	1
Japanese (models)	64Y6071	1
Dutch (models 73G 7CG)	64Y2704	1
Czech (models)	64Y2691	1
Polish (models 73G 7CG)	64Y2692	1
Russian (models 73G 7CG)	64Y2693	1
Turkish (models 73G 7CG)	64Y2694	1
Hungarian (models 73G 7CG)	64Y2695	1
Greek (models 73G 7CG)	64Y2696	1
Portuguese (models)	64Y2707	1
Simplified Chinese (models)	64Y2698	1
Traditional Chinese (models)	64Y2699	1
Hong Kong (models)	64Y2700	1
Korean (models)	64Y2701	1
Slovenian (models 73G 7CG)	64Y2702	1
Russian English (models 73G 7CG)	64Y2685	1
Romanian (models 73G 7CG)	64Y2706	1
Serbian-Latin (models 73G 7CG)	64Y2708	1
Slovakian (models 73G 7CG)	64Y2709	1
Arabic Localized (models 73G 7CG)	64Y2703	1
Hebrew (models 73G 7CG)	64Y2705	1

7515 Vista Business 32 Recovery DVDs	FRU#	CRU
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2710	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2711	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2712	1

7515 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2800	1
French (models)	64Y2801	1
German (models)	64Y2802	1
Spanish (models)	64Y2803	1
Italian (models)	64Y2805	1
Japanese (models)	64Y6074	1
Hong Kong (models)	64Y2807	1
Korean (models)	64Y2804	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2808	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2809	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2810	1

7515 Vista Business 64 Recovery DVDs	FRU#	CRU
US English (models)	64Y2820	1
French (models)	64Y2821	1
German (models)	64Y2822	1
Japanese (models)	64Y6076	1
Simplified Chinese (models)	64Y2824	1

7515 Vista Ultimate 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2811	1
Japanese (models)	64Y6075	1
French (models)	64Y2812	1
German (models)	64Y2813	1
Spanish (models)	64Y2814	1
Italian (models)	64Y2815	1
Hong Kong - Traditional Chinese (models)	64Y2817	1
Arabic localized (models)	64Y2818	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2819	1

7515 Vista Starter 32 Recovery DVDs	FRU#	CRU
English (models)	TBD	1

Machine Type 7522
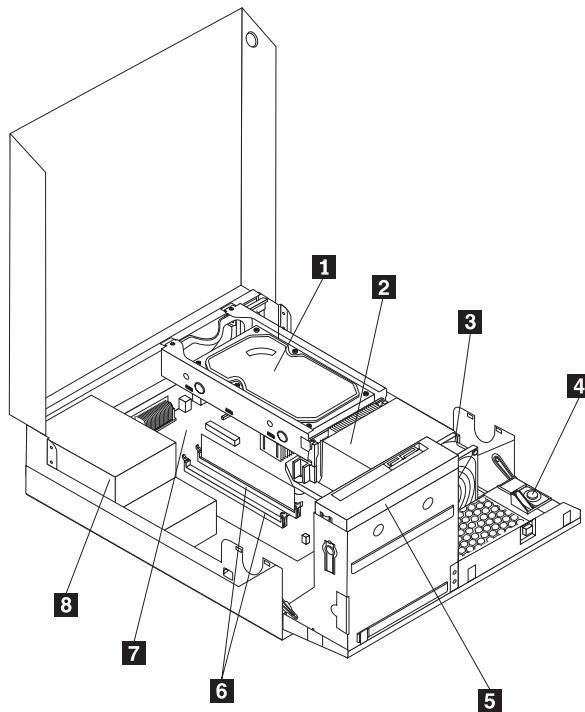
Item#	7522 FRUs	FRU#	CRU
1	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB (models 91C 91J H3M H3A B1M E3M E3A E3K E4M E4A E4K F1M F1A F1K F2M F2A F5M F5A 74G 74M 74A 74V 79G 7BG A1S A1Y A2Q A4S A4P A4Y A4M A4A A4K D8S D8D D8Y E1S E1D E1Y E2S E2D E2Y F9U F9F H1U H1F H2U H2F D6U D6F)	40Y9035	1
1	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB (models H4A H4T H5M H5A B2A B2Q B2T B6M B8M B8A B9M E5M E5A E5K E7M E7A E8M E8A E8K F3M F3A F6M F6A F6K F7M F7A)	40Y9036	1
1	Hard disk drive, SATA 320GB 7200rpm SATA/8MB (models D1M 76G 77G 78G 7CG 73G 75G)	87H4891	1
1	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB (models)	41X5582	1
1	Hard disk drive, 1TB 7200rpm SATA (models)	45C5973	1
1	Hard disk drive, 150G 10K rpm, SATA (models)	46R8893	1
2	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models F1M F1A F1K F2M F2A F3M F3A 73G 75G E2S E2D E2Y)	53Y6653	N
2	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models F5M F5A F6M F6A F6K F7M F7A)	53Y6654	N
2	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST, EM64T, EDB) 65W (models E3M E3A E3K E4M E4A E4K E5M E5A E5K)	53Y9049	N
2	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST, EM64T, EDB) M0 65W (models)	53Y9051	N
2	Microprocessor, Q8300 Yorkfield 2.5GHZ, 1333MHz, 4M R-0 (ViiV, EIST, EM64T, EDB) 95W (models)	53Y6656	N
2	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W (models)	46R8640	N
2	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W (models B9M)	45C7735	N

Item#	7522 FRUs	FRU#	CRU
2	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W (models 91C 91J B8M B8A 74G 74M 74A 74V 77G 78G D8S D8D D8Y)	45C7736	N
2	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W (models)	45C7737	N
2	Microprocessor, E8190 2.66GHz 1333MHz FSB 6M C-0 - NON VT/Vpro 65W (models)	45R2568	N
2	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W (models)	45R8337	N
2	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W (models B6M E7M E7A E8M E8A E8K A4S A4P A4Y A4M A4A A4K H2U H2F)	46R1622	N
2	Microprocessor, E2180 Conroe-L 2.0GHz 800MHz FSB 1M (models)	45C1773	N
2	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M (models)	45C5349	N
2	Microprocessor, E2220 Conroe-L 2.4GHz 800MHz FSB 1M (models)	45C1774	N
2	Microprocessor, E5200 2.5G 800MHz 2M M-0 65W, 45nm (models H3M H3A H4A H4T H5M H5A B1M B2A B2Q B2T 76G 7CG E1S E1D E1Y F9U F9F H1U H1F D6U D6F)	46R9512	N
2	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W (models)	46R1655	N
2	Microprocessor, E1400 2.0GHz 800MHz FSB 512K - NPI M-0 65W (models 79G 7BG)	45R8339	N
2	Microprocessor, E1200 1.6GHZ/800MHZ/512K M-0 65W (models)	45R8341	N
2	Microprocessor, Cel-430 Conroe-L 1.8GHz 800MHz FSB 512K (models A1S A1Y)	43C1964	N
2	Microprocessor, Cel-440 Conroe-L 2.0GHz 800MHz FSB 512K (models)	43C1965	N
2	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W (models)	46R9514	N
2	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W (models)	46R8642	N
2	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W (models)	46R8644	N
2	Microprocessor, Q8200 2.33GHz 1333FSB 4M M-1 95W (models D1M)	46R9516	N
2	Microprocessor, Q6700 2.66GHZ 1066FSB 8M G-0 Stepping Level, 95W (models)	43C6309	N
2	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W (models)	45C7739	N
2	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W (models)	45C7740	N
2	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W (models)	45C7741	N
2	Microprocessor, E5400 2.7G 800MHz-2MB 65W Non-vPro SKU (models)	64Y1075	N
3	95W heat sink kit with RM (all models)	41R6454	2
3	65W heat sink kit with RM (all models)	43N9349	2
4	Internal speaker 254 mm - optional (all models)	39K5012	2
5	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista (models 91C 91J F9U F9F)	41N3325	1
5	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista (models H3M H3A H4A H4T H5M H5A B1M B2A B2Q B2T B6M B8M B8A B9M D1M E3M E3A E3K E4M E4A E4K E5M E5A E5K E7M E7A E8M E8A E8K F1M F1A F1K F2M F2A F3M F3A F5M F5A F6M F6A F6K F7M F7A 74G 74M 74A 74V 76G 77G 78G 79G 7BG 7CG 73G 75G A1S A1Y A2Q A4S A4P A4Y A4M A4A A4K D8S D8D D8Y E1S E1D E1Y E2S E2D E2Y H1U H1F H2U H2F D6U D6F)	43C1042	1
6	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4255	1
6	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4256	1
6	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4257	1
6	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM (models F9U F9F)	41X1079	1

Item#	7522 FRUs	FRU#	CRU
6	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM (models 91C 91J H3M H3A H4A H4T H5M H5A B1M B2A B2Q B2T B6M B8M B8A B9M E3M E3A E3K E4M E4A E4K E5M E5A E5K F1M F1A F1K F2M F2A F5M F5A A1S A1Y A2Q A4S A4P A4Y A4M A4A A4K E1S E1D E1Y H1U H1F)	41X1080	1
6	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM (models D1M E7M E7A E8M E8A E8K F3M F3A F6M F6A F6K F7M F7A 74G 74M 74A 74V 76G 77G 78G 79G 7BG 7CG 73G 75G D8S D8D D8Y E2S E2D E2Y H2U H2F D6U D6F)	41X1081	1
7	System board, Intel G41 BTX(GA) non-AMT (models 91C 91J H3M H3A H4A H4T H5M H5A B1M B2A B2Q B2T B6M B8M B8A B9M D1M E3M E3A E3K E4M E4A E4K E5M E5A E5K E7M E7A E8M E8A E8K F1M F1A F1K F2M F2A F3M F3A F5M F5A F6M F6A F6K F7M F7A 74G 74M 74A 74V 76G 77G 78G 79G 7BG 7CG 73G 75G A1S A1Y A2Q A4S A4P A4Y A4M A4A A4K D8S D8D D8Y E1S E1D E1Y E2S E2D E2Y F9U F9F H1U H1F H2U H2F D6U D6F)	46R8892	N
8	Power supply, 280W Active PFC power supply (Auto sensing) for 10L---Robust, ww, JP (models 91C 91J H3M H3A H4A H4T H5M H5A B1M B2A B2Q B2T B6M B8M B8A B9M D1M E3M E3A E3K E4M E4A E4K E5M E5A E5K E7M E7A E8M E8A E8K F1M F1A F1K F2M F2A F3M F3A F5M F5A F6M F6A F6K F7M F7A 74G 74M 74A 74V 76G 77G 78G 79G 7BG 7CG 73G 75G A1S A1Y A2Q A4S A4P A4Y A4M A4A A4K D8S D8D D8Y E1S E1D E1Y E2S E2D E2Y F9U F9F H1U H1F H2U H2F D6U D6F)	41A9701	N
8	Power supply, 280W 85+ power supply for 10L---Robust, ww, JP (models 91C 91J H3M H3A H4A H4T H5M H5A B1M B2A B2Q B2T B6M B8M B8A B9M D1M E3M E3A E3K E4M E4A E4K E5M E5A E5K E7M E7A E8M E8A E8K F1M F1A F1K F2M F2A F3M F3A F5M F5A F6M F6A F6K F7M F7A 74G 74M 74A 74V 76G 77G 78G 79G 7BG 7CG 73G 75G A1S A1Y A2Q A4S A4P A4Y A4M A4A A4K D8S D8D D8Y E1S E1D E1Y E2S E2D E2Y F9U F9F H1U H1F H2U H2F D6U D6F)	41A9742	N

The FRUs listed in the following tables are not illustrated.

7522 FRUs	FRU#	CRU
Battery 3V - Lithium (models 91C 91J H3M H3A H4A H4T H5M H5A B1M B2A B2Q B2T B6M B8M B8A B9M D1M E3M E3A E3K E4M E4A E4K E5M E5A E5K E7M E7A E8M E8A E8K F1M F1A F1K F2M F2A F3M F3A F5M F5A F6M F6A F6K F7M F7A 74G 74M 74A 74V 76G 77G 78G 79G 7BG 7CG 73G 75G A1S A1Y A2Q A4S A4P A4Y A4M A4A A4K D8S D8D D8Y E1S E1D E1Y E2S E2D E2Y F9U F9F H1U H1F H2U H2F D6U D6F)	45C1566	1
Cable - SATA 250 mm (RoHS) for 1st HDD (all models)	43N9012	2
Cable - SATA 600mm (RoHS) (all models)	45J9579	2
Cable - SATA 700 mm (RoHS) for ODD / Second HDD (all models)	43N9011	2
C2 Intrusion Switch 260 mm (all models)	43N9080	2
Rear IO shield BTX (all models)	41R6381	N
Temp Sense Cable (165 mm) (all models)	43N9079	2
Air Deflector, recycle resin (all models)	43N9610	2
HDD Tray ASM (all models)	43N9595	1
Front cage ASM (all models)	43N9596	N
Front cage ASM (all models)	43N9647	N
Cable, Front I_O cable_R (10L_U380_A550)_ESD (all models)	45J9509	2
Models with 3.5'' Convert 2.5'' for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9645	2
3.5'' Convert 2.5'' for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9593	2
Universal Adapter Bracket 5.25 to 3.5 607CT (all models)	43N9676	2

7522 FRUs	FRU#	CRU
Top cover ASM (all models)	43N9594	1
Cable, LED/Switch cable_R (10L_220 mm_PCBA) (all models)	45J9515	2
NO ODD, EMI Shielding (all models)	43N9641	1
Card reader bezel, 607CT (all models)	43N9642	1
Non-Card reader bezel, 607CT (all models)	43N9643	1
Vertical Stand (all models)	43N9644	1
Front bezel ASM (all models)	43N9677	1
Chassis (all models)	43N9649	N
Rubber foot for vertical (all models)	43N9727	1
Rubber foot for horizontal (all models)	43N9728	1
Thermal Grease (all models)	91P8835	N

7522 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--US English (models H3M H3A H4A H5M H5A B1M B2A B2Q B6M B8M B8A B9M D1M E3M E3A E4M E4A E5M E5A E7M E7A E8M E8A F1M F1A F2M F2A F3M F3A F5M F5A F6M F6A F7M F7A 74G 74M 74A 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G A2Q A4M A4A F9U H1U H2U D6U)	41A5289	1
USB FULL--Arabic (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5290	1
USB FULL--Arabic/French (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5291	1
USB FULL--Belgium French (models)	41A5292	1
USB FULL--Belgium English (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5293	1
USB FULL--Brazilian Portuguese (models A4P)	41A5294	1
USB FULL--Bulgarian (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5295	1
USB FULL--Chinese/US (models 74V)	41A5296	1
USB FULL--Czech (ABB) (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5297	1
USB FULL--Danish (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5298	1
USB FULL--Dutch (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5299	1
USB FULL--French (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5300	1
USB FULL--French Canadian (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G F9F H1F H2F D6F)	41A5301	1
USB FULL--French Canadian (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G F9F H1F H2F D6F)	41A5302	1
USB FULL--German (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5303	1
USB FULL--Greek (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5304	1
USB FULL--Greek/US (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5305	1
USB FULL--Hebrew (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5306	1
USB FULL--Hungarian (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5307	1
USB FULL--Iceland (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5308	1
USB FULL--Italy (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5309	1
USB FULL--Japanese (models 91J)	41A5310	1
USB FULL--Korean (models E3K E4K E5K E8K F1K F6K A4K)	41A5311	1

7522 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--LA Spanish (models A1S A1Y A4S A4Y D8S D8D D8Y E1S E1D E1Y E2S E2D E2Y)	41A5312	1
USB FULL--Norwegian (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5313	1
USB FULL--Polish (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5314	1
USB FULL--Portuguese (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5315	1
USB FULL--Romanian (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5317	1
USB FULL--Romanian (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5316	1
USB FULL--Russian/Cyrillic (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5318	1
USB FULL--Serbian/Cyrillic (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5319	1
USB FULL--Slovak (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5320	1
USB FULL--Spanish (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5321	1
USB FULL--Swedish/Finnish (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5322	1
USB FULL--Swiss French/German (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5323	1
USB FULL--Thailand (models H4T B2T)	41A5324	1
USB FULL--Turkish (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5325	1
USB FULL--Turkish (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5326	1
USB FULL --UK English (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5327	1
USB FULL--US Euro (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41A5328	1
USB FULL--Slovenian (models)	41A5329	1
USB FULL--Arabic (New) (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	45J4880	1
USB FULL--Lithuanian (models)	45J4896	1
USB FULL--Estonia (models CTO)	51J0059	1

7522 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
US English (models)	41R0038	1
Arabic (models)	41R0039	1
Arabic/French (models)	41R0040	1
Belgium French (models)	41R0041	1
Belgium English (models)	41R0042	1
Brazilian Portuguese (models)	41R0043	1
Bulgarian (models)	41R0044	1
Chinese/US (models)	41R0045	1
Czech (ABB) (models)	41R0046	1
Danish (models)	41R0047	1
Dutch (models)	41R0048	1
French (models)	41R0049	1
French Canadian (models)	41R0050	1
French Canadian (models)	41R0051	1
German (models)	41R0052	1
Greek (models)	41R0053	1

7522 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
Greek/US (models)	41R0054	1
Hebrew (models)	41R0055	1
Hungarian (models)	41R0056	1
Iceland (models)	41R0057	1
Italian (models)	41R0058	1
Japanese (models)	41R0059	1
Korean (models)	41R0060	1
LA Spanish (models)	41R0061	1
Norwegian (models)	41R0062	1
Polish (models)	41R0063	1
Portuguese (models)	41R0064	1
Romanian (models)	41R0065	1
Romanian (models)	41R0066	1
Russian/Cyrillic (models)	41R0067	1
Serbian/Cyrillic (models)	41R0068	1
Slovak (models)	41R0069	1
Spanish (models)	41R0070	1
Swedish/Finnish (models)	41R0071	1
Swiss French/German (models)	41R0072	1
Thailand (models)	41R0073	1
Turkish (models)	41R0074	1
Turkish (models)	41R0075	1
UK English (models)	41R0076	1
US Euro (models)	41R0077	1
Slovenian (models)	41R0078	1

7522 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--US English (models)	41A5039	1
PS/2 Full--Arabic (models)	41A5040	1
PS/2 Full--Arabic/French (models)	41A5041	1
PS/2 Full--Belgium French (models)	41A5042	1
PS/2 Full--Belgium English (models)	41A5043	1
PS/2 Full--Brazilian Portuguese (models)	41A5044	1
PS/2 Full--Bulgarian (models)	41A5045	1
PS/2 Full--Chinese/US (models)	41A5046	1
PS/2 Full--Czech (ABB) (models)	41A5047	1
PS/2 Full--Danish (models)	41A5048	1
PS/2 Full--Dutch (models)	41A5049	1
PS/2 Full--French (models)	41A5050	1
PS/2 Full--French Canadian (models)	41A5051	1
PS/2 Full--French Canadian (models)	41A5052	1

7522 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--German (models)	41A5053	1
PS/2 Full--Greek (models)	41A5054	1
PS/2 Full--Greek/US (models)	41A5080	1
PS/2 Full--Hebrew (models)	41A5055	1
PS/2 Full--Hungarian (models)	41A5056	1
PS/2 Full--Iceland (models)	41A5057	1
PS/2 Full--Italian (models)	41A5058	1
PS/2 Full--Japanese (models)	41A5059	1
PS/2 Full--Korean (models)	41A5060	1
PS/2 Full--LA Spanish (models)	41A5061	1
PS/2 Full--Norwegian (models)	41A5062	1
PS/2 Full--Polish (models)	41A5063	1
PS/2 Full--Portuguese (models)	41A5064	1
PS/2 Full--Romanian (models)	41A5065	1
PS/2 Full--Russian/Cyrillic (models)	41A5066	1
PS/2 Full--Serbian/Cyrillic (models)	41A5067	1
PS/2 Full--Slovak (models)	41A5068	1
PS/2 Full--Spanish (models)	41A5069	1
PS/2 Full--Swedish/Finnish (models)	41A5070	1
PS/2 Full--Swiss French/German (models)	41A5071	1
PS/2 Full--Thailand (models)	41A5072	1
PS/2 Full--Turkish (models)	41A5073	1
PS/2 Full--Turkish (models)	41A5074	1
PS/2 Full--UK English (models)	41A5075	1
PS/2 Full--US Euro (models)	41A5076	1
PS/2 Full--Slovenian (models)	41A5077	1

7522 Mice	FRU#	CRU
Optical Wheel Mouse OPT (400DPI, USB) (models 91C 91J H3M H3A H4A H4T H5M H5A B1M B2A B2Q B2T B6M B8M B8A B9M D1M E3M E3A E3K E4M E4A E4K E5M E5A E5K E7M E7A E8M E8A E8K F1M F1A F1K F2M F2A F3M F3A F5M F5A F6M F6A F6K F7M F7A 74G 74M 74A 74V 76G 77G 78G 79G 7BG 7CG 73G 75G A1S A1Y A2Q A4S A4P A4Y A4M A4A A4K D8S D8D D8Y E1S E1D E1Y E2S E2D E2Y F9U F9F H1U H1F H2U H2F D6U D6F)	41U3013	1
Optical Wheel Mouse OPT (400DPI, USB) (models 91C 91J H3M H3A H4A H4T H5M H5A B1M B2A B2Q B2T B6M B8M B8A B9M D1M E3M E3A E3K E4M E4A E4K E5M E5A E5K E7M E7A E8M E8A E8K F1M F1A F1K F2M F2A F3M F3A F5M F5A F6M F6A F6K F7M F7A 74G 74M 74A 74V 76G 77G 78G 79G 7BG 7CG 73G 75G A1S A1Y A2Q A4S A4P A4Y A4M A4A A4K D8S D8D D8Y E1S E1D E1Y E2S E2D E2Y F9U F9F H1U H1F H2U H2F D6U D6F)	41U3030	1
PS/2 Three button ball mouse scrollpoint (41R0017) (models)	41R0018	1

7522 Adapters and miscellaneous FRUs	FRU#	CRU
Internal 25 in 1 USB Memory Card Reader Slim (models)	46R1529	1

7522 Adapters and miscellaneous FRUs	FRU#	CRU
IEEE 1394 Firewire Adapter (models)	41D2781	1
Soft Modem V.90/V.44 (models)	46R4220	1
Speaker power brick - US, Canada, LA low voltage, ASEAN (models F9U H1U H2U D6U)	89P8571	1
Speaker power brick - LA high voltage (non-APU) (models)	89P8575	1
Speaker power brick - Simplified Chinese, Thailand EMEA (models 91C 74G 76G 77G 78G 79G 7BG 7CG 73G 75G)	89P8581	1
Speaker power brick - Japanese (models 91J)	89P8577	1
Speaker power brick - Brazil (models)	89P8583	1
Speaker power brick - Argentina (models)	41A4901	1
Speaker power brick - ANZ (models H3M H5M B1M B6M B8M B9M D1M E3M E4M E5M E7M E8M F1M F2M F3M F5M F6M F7M 74M A4M)	89P8579	1
Speaker power brick - Korea (models)	41A4903	1
Speaker power brick - Hong Kong, EMEA, Ireland (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	89P8573	1
Speaker power brick -Taiwan-Traditional Chinese (models 74V)	41A4905	1
Speaker power brick - India, South Africa (models B2Q A2Q)	89P8585	1
2-pc external speaker--primary (models)	41A5331	1
2-pc external speaker-secondary (models)	41A5334	1
DVI-I(M)-VGA(F) cord (models)	41R3342	1
ATI HD3470 GDDR3 256MB - VGA+DP (models)	46R1521	1
ADD2 DVI-D Adapter, (HDCP) DVD-D connection Adapter Low Profile (Silicon Image) (models 73G 75G)	43C0258	1
DisplayPort to DVI-D Dongle (models)	43N9160	1
DisplayPort to VGA Dongle (models)	45J9524	1
Modem phone cable (models)	39K5120	1
LI140mm Rear Com2 cable II mini® (models)	43N9062	2
Rear USB 2 Ports II LP® 350 mm (models)	43N9124	2
NVIDIA G100 DDR2 256MB LP - DVI-I (With DVI-I to VGA Dongle) (models CTO)	53Y9341	1

7522 Power Cords (Primary)	FRU #	CRU
Power cord - US (models H3A H4A H4T H5A B2A B2T B8A E3A E4A E5A E7A E8A F1A F2A F3A F5A F6A F7A 74A A1S A1Y A4S A4Y A4A D8S D8Y E1S E1Y E2S E2Y F9U F9F H1U H1F H2U H2F D6U D6F)	41R3184	1
Power cord - China (models 91C)	41R3256	1
Power Cord - Japanese and Japanese English (models 91J)	41R3248	1
Power cord - Brazil (models)	41R3270	1
Power cord - LA High Volt (APU) (models)	41R3176	1
Power cord - Australia / New Zealand (models)	41R3196	1
Power cord - Korea (models)	41R3260	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models)	41R3224	1
Power cord - Taiwan (models 74V)	41R3278	1
Power cord - Italy (models)	41R3232	1

7522 Power Cords (Primary)	FRU #	CRU
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models H3A H4A H4T H5A B2A B2T B8A E3A E4A E5A E7A E8A F1A F2A F3A F5A F6A F7A 74A A1S A1Y A4S A4Y A4A D8S D8Y E1S E1Y E2S E2Y F9U F9F H1U H1F H2U H2F D6U D6F)	41R3208	1
Power cord - Denmark (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41R3212	1
Power cord - Switzerland (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41R3228	1
Power cord - Israel (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41R3236	1
Power cord - South Africa (models H3M H3A H4A H5M H5A B1M B2A B6M B8M B8A B9M D1M E3M E3A E4M E4A E5M E5A E7M E7A E8M E8A F1M F1A F2M F2A F3M F3A F5M F5A F6M F6A F7M F7A 74G 74M 74A 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G A4M A4A)	41R3220	1
Power cord - India (models B2Q A2Q)	41R3341	1
Power cord - Thailand (models)	43N9029	1

7522 Power Cords (Secondary)	FRU#	CRU
Power cord - US (models H3A H4A H4T H5A B2A B2T B8A E3A E4A E5A E7A E8A F1A F2A F3A F5A F6A F7A 74A A1S A1Y A4S A4Y A4A D8S D8Y E1S E1Y E2S E2Y F9U F9F H1U H1F H2U H2F D6U D6F)	41R3185	1
Power cord - China (models 91C)	41R3257	1
Power Cord - Japanese and Japanese English (models 91J)	41R3249	1
Power cord - Brazil (models)	41R3271	1
Power cord - LA High Volt (APU) (models)	41R3177	1
Power cord - Australia / New Zealand (models)	41R3197	1
Power cord - Korea (models)	41R3261	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models)	41R3225	1
Power cord - Taiwan (models 74V)	41R3279	1
Power cord - Italy (models)	41R3233	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models H3A H4A H4T H5A B2A B2T B8A E3A E4A E5A E7A E8A F1A F2A F3A F5A F6A F7A 74A A1S A1Y A4S A4Y A4A D8S D8Y E1S E1Y E2S E2Y F9U F9F H1U H1F H2U H2F D6U D6F)	41R3209	1
Power cord - Denmark (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41R3213	1
Power cord - Switzerland (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41R3229	1
Power cord - Israel (models 74G 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G)	41R3237	1
Power cord - South Africa (models H3M H3A H4A H5M H5A B1M B2A B6M B8M B8A B9M D1M E3M E3A E4M E4A E5M E5A E7M E7A E8M E8A F1M F1A F2M F2A F3M F3A F5M F5A F6M F6A F7M F7A 74G 74M 74A 76G 77G 78G 79G 7BG 7CG 7DG 72G 73G 75G A4M A4A)	41R3221	1
Power cord - India (models B2Q A2Q)	41R3175	1
Power cord - Thailand (models)	43N9030	1
Power cord - Y cable for Brazil (models)	43N9044	1

7522 Windows XP Home Recovery CDs	FRU#	CRU
US English/UK/Asia Pacific (models)	TBD	1

7522 Windows XP Home Recovery CDs	FRU#	CRU
French/French Canadian (models)	TBD	1
Greek (models)	TBD	1
Italy (models)	TBD	1
Brazilian (models)	TBD	1
Spanish/LA (models)	TBD	1
Danish (models)	TBD	1
Dutch (models)	TBD	1
Arabic (models)	TBD	1
Swedish (models)	TBD	1
Hebrew (models)	TBD	1
Finnish (models)	TBD	1
Norwegian (models)	TBD	1
Polish (models)	TBD	1
Portuguese (models)	TBD	1
Russian (models)	TBD	1
Russian English (models)	TBD	1
Hungarian (models)	TBD	1
Czech (models)	TBD	1
Turkish native (models)	TBD	1
Greek (models)	TBD	1
Japanese (models)	TBD	1
Simplified Chinese (models)	TBD	1
Taiwan-TC (models)	TBD	1
Hong Kong-TC (models)	TBD	1
Korean (models)	TBD	1

7522 Windows XP Pro Recovery CDs	FRU#	CRU
US English (models B2A B2Q E4M E4A E7M E7A F1M F1A F5M F5A F6M F6A 76G 78G 7BG 75G A4M A4A F9U H1U H2U D6U)	64Y5685	1
French (models 76G 78G 7BG 75G F9F H1F H2F D6F)	64Y5686	1
German (models 76G 78G 7BG 75G)	64Y5687	1
Italian (models)	64Y5690	1
Brazilian Portuguese (models 76G 78G 7BG 75G)	64Y5689	1
Spanish (models 76G 78G 7BG 75G)	64Y5688	1
Danish (models 76G 78G 7BG 75G)	64Y5694	1
Dutch (models 76G 78G 7BG 75G)	64Y5695	1
Arabic (models 76G 78G 7BG 75G)	64Y5699	1
Swedish (models 76G 78G 7BG 75G)	64Y5693	1
Hebrew (models 76G 78G 7BG 75G)	63Y8286	1
Finnish (models 76G 78G 7BG 75G)	64Y5697	1
Norwegian (models 76G 78G 7BG 75G)	64Y5692	1

7522 Windows XP Pro Recovery CDs	FRU#	CRU
Polish (models 76G 78G 7BG 75G)	64Y5698	1
Portuguese (models 76G 78G 7BG 75G)	63Y8294	1
Russian (models 76G 78G 7BG 75G)	64Y5700	1
Russian English (models 76G 78G 7BG 75G)	63Y8290	1
Hungarian (models 76G 78G 7BG 75G)	63Y8292	1
Czech (models 76G 78G 7BG 75G)	64Y5696	1
Turkish (models 76G 78G 7BG 75G)	64Y5701	1
Greek (models 76G 78G 7BG 75G)	64Y5702	1
Slovenian (models 76G 78G 7BG 75G)	63Y8295	1
Japanese (models)	64Y6068	1
Simplified Chinese (models)	64Y5703	1
Taiwan-TC (models)	64Y5704	1
Hong Kong-TC (models)	64Y5705	1
Korean (models)	63Y8299	1
MUI Nordics (EN-DK-FI-NO-SV) (models B2A B2Q E4M E4A E7M E7A F1M F1A F5M F5A F6M F6A 76G 78G 7BG 75G A4M A4A F9U H1U H2U D6U)	64Y4801	1
MUI Switz (EN-FR-GR-IT) (models B2A B2Q E4M E4A E7M E7A F1M F1A F5M F5A F6M F6A 76G 78G 7BG 75G A4M A4A F9U H1U H2U D6U F9F H1F H2F D6F)	64Y4802	1
MUI Bel-Lux (EN-FR-GR-NL) (models B2A B2Q E4M E4A E7M E7A F1M F1A F5M F5A F6M F6A 76G 78G 7BG 75G A4M A4A F9U H1U H2U D6U F9F H1F H2F D6F)	64Y4803	1

7522 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2771	1
French (models)	64Y2773	1
German (models)	64Y2774	1
Spanish (models)	64Y2775	1
Brazilian (models)	64Y2776	1
Italian (models)	64Y2777	1
Japanese (models)	64Y6073	1
Dutch (models)	64Y2791	1
Czech (models)	64Y2778	1
Polish (models)	64Y2779	1
Russian (models)	64Y2780	1
Turkish (models)	64Y2781	1
Hungarian (models)	64Y2782	1
Greek (models)	64Y2783	1
Portuguese (models)	64Y2794	1
Simplified Chinese (models)	64Y2785	1
Hong Kong (models)	64Y2787	1
Traditional Chinese (models)	64Y2786	1
Korean (models)	64Y2788	1
Slovenian (models)	64Y2789	1

7522 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
Russian English (models)	64Y2772	1
Hebrew (models)	64Y2792	1
Arabic Localized (models)	64Y2790	1
Slovakian (models)	64Y2796	1
Romanian (models)	64Y2793	1
Serbian-Latin (models)	64Y2795	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2797	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2798	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2799	1

7522 Vista Business 32 Recovery DVDs	FRU#	CRU
US English (models H3M H3A H5M H5A B1M B6M B8M B8A B9M D1M E3M E3A E5M E5A E8M E8A F2M F2A F3M F3A F7M F7A 74G 74M 74A 77G 79G 7CG 7DG 72G 73G)	64Y2684	1
French (models 74G 77G 79G 7CG 7DG 72G 73G)	64Y2686	1
German (models 74G 77G 79G 7CG 7DG 72G 73G)	64Y2687	1
Spanish (models 74G 77G 79G 7CG 7DG 72G 73G)	64Y2688	1
Brazilian Portuguese (models)	64Y2689	1
Italian (models 74G 77G 79G 7CG 7DG 72G 73G)	64Y2690	1
Japanese (models 91J)	64Y6071	1
Dutch (models 74G 77G 79G 7CG 7DG 72G 73G)	64Y2704	1
Czech (models)	64Y2691	1
Polish (models 74G 77G 79G 7CG 7DG 72G 73G)	64Y2692	1
Russian (models 74G 77G 79G 7CG 7DG 72G 73G)	64Y2693	1
Turkish (models 74G 77G 79G 7CG 7DG 72G 73G)	64Y2694	1
Hungarian (models 74G 77G 79G 7CG 7DG 72G 73G)	64Y2695	1
Greek (models 74G 77G 79G 7CG 7DG 72G 73G)	64Y2696	1
Portuguese (models 74G 77G 79G 7CG 7DG 72G 73G)	64Y2707	1
Simplified Chinese (models 91C)	64Y2698	1
Traditional Chinese (models)	64Y2699	1
Hong Kong (models)	64Y2700	1
Korean (models E3K E5K E8K)	64Y2701	1
Slovenian (models)	64Y2702	1
Russian English (models 74G 77G 79G 7CG 7DG 72G 73G)	64Y2685	1
Romanian (models 74G 77G 79G 7CG 7DG 72G 73G)	64Y2706	1
Serbian-Latin (models)	64Y2708	1
Slovakian (models 74G 77G 79G 7CG 7DG 72G 73G)	64Y2709	1
Arabic Localized (models)	64Y2703	1
Hebrew (models 74G 77G 79G 7CG 7DG 72G 73G)	64Y2705	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2710	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2711	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2712	1

| 7522 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2800	1
French (models)	64Y2801	1
German (models)	64Y2802	1
Spanish (models)	64Y2803	1
Italian (models)	64Y2805	1
Japanese (models)	64Y6074	1
Hong Kong (models)	64Y2807	1
Korean (models)	64Y2804	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2808	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2809	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2810	1

7522 Vista Business 64 Recovery DVDs	FRU#	CRU
US English (models)	64Y2820	1
French (models)	64Y2821	1
German (models)	64Y2822	1
Japanese (models)	64Y6076	1
Simplified Chinese (models)	64Y2824	1

7522 Vista Ultimate 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2811	1
Japanese (models)	64Y6075	1
French (models)	64Y2812	1
German (models)	64Y2813	1
Spanish (models)	64Y2814	1
Italian (models)	64Y2815	1
Hong Kong - Traditional Chinese (models)	64Y2817	1
Arabic localized (models)	64Y2818	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2819	1

7522 Vista Starter 32 Recovery DVDs	FRU#	CRU
English (models)	TBD	1

Machine Type 7523
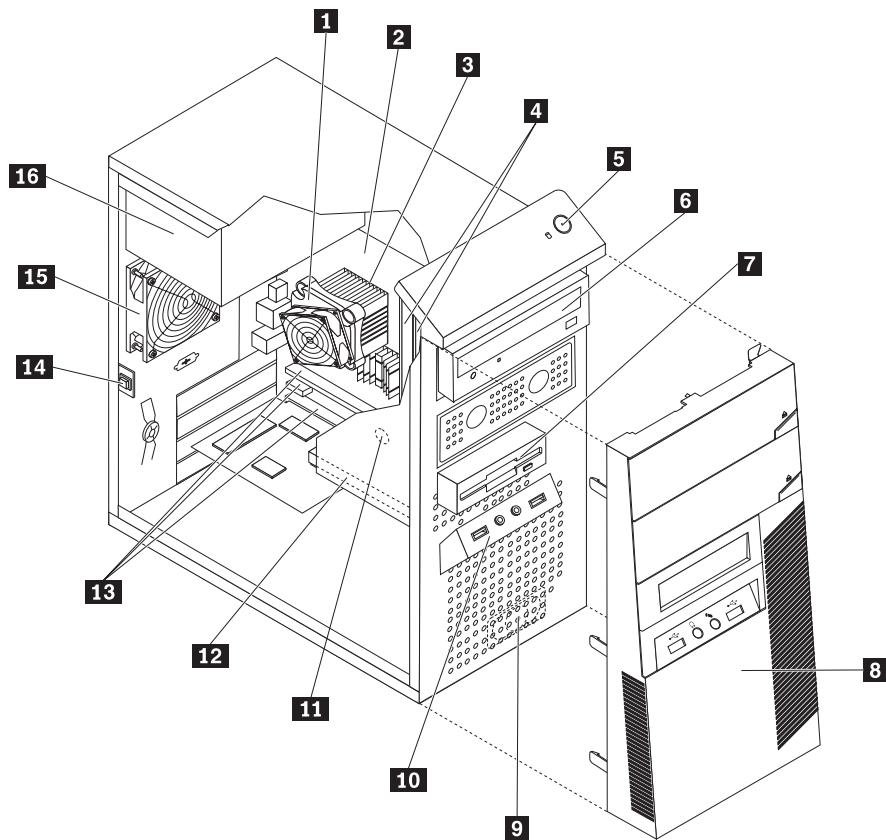
Item#	7523 FRUs	FRU#	CRU
1	Intel 95W/65W Heatsink (all models)	43N9409	2
1	Intel 65W heat sink (all models)	43N9708	2
2	System board, Intel G41 MATX(GA) non-AMT (models 91G 91J 71G 72G)	46R8891	N
3	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 71G)	53Y6653	N
3	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models)	53Y6654	N
3	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST, EM64T, EDB) 65W (models)	53Y9049	N
3	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST, EM64T, EDB) M0 65W (models)	53Y9051	N
3	Microprocessor, Q8300 Yorkfield 2.5GHZ, 1333MHz, 4M R-0 (ViiV, EIST, EM64T, EDB) 95W (models)	53Y6656	N
3	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W (models)	46R8640	N
3	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W (models)	45C7735	N
3	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W (models)	45C7736	N
3	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W (models)	45C7737	N
3	Microprocessor, E8190 2.66GHz 1333MHz FSB 6M C-0 - NON VT/Vpro 65W (models)	45R2568	N
3	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W (models)	45R8337	N
3	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W (models)	46R1622	N

Item#	7523 FRUs	FRU#	CRU
3	Microprocessor, E2180 Conroe-L 2.0GHz 800MHz FSB 1M (models)	45C1773	N
3	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M (models)	45C5349	N
3	Microprocessor, E2220 Conroe-L 2.4GHz 800MHz FSB 1M (models)	45C1774	N
3	Microprocessor, E5200 2.5G 800MHz 2M M-0 65W, 45nm (models 91G 91J 72G)	46R9512	N
3	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W (models)	46R1655	N
3	Microprocessor, E1400 2.0GHz 800MHz FSB 512K - NPI M-0 65W (models)	45R8339	N
3	Microprocessor, E1200 1.6GHZ/800MHZ/512K M-0 65W (models)	45R8341	N
3	Microprocessor, Cel-430 Conroe-L 1.8GHz 800MHz FSB 512K (models)	43C1964	N
3	Microprocessor, Cel-440 Conroe-L 2.0GHz 800MHz FSB 512K (models)	43C1965	N
3	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W (models)	46R9514	N
3	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W (models)	46R8642	N
3	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W (models)	46R8644	N
3	Microprocessor, Q8200 2.33GHz 1333FSB 4M M-1 95W (models)	46R9516	N
3	Microprocessor, Q6700 2.66GHZ 1066FSB 8M G-0 Stepping Level, 95W (models)	43C6309	N
3	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W (models)	45C7739	N
3	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W (models)	45C7740	N
3	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W (models)	45C7741	N
3	Microprocessor, E5400 2.7G 800MHz 2MB 65W Non-vPro SKU (models)	64Y1075	N
4	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4255	1
4	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4256	1
4	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4257	1
4	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM (models)	41X1079	1
4	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G 91J 72G)	41X1080	1
4	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM (models 71G)	41X1081	1
6	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista (models)	41N3325	1
6	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista (models 91G 91J 71G 72G)	43C1042	1
6	Optical drive, Blu-ray Recorder / DVD Super Multi (models)	53Y7643	1
7	Diskette drive, 3.5" 1.44MB 2 Mode FDD with Bezel and cable (models)	40Y9107	1
7	Diskette drive, 3.5" 1.44MB 2 Mode FDD with Bezel and cable (models)	40Y9105	1
8	Front bezel assembly (all models)	43N9662	1
8	Front bezel with ODD door assembly (all models)	43N9694	2
9	Internal speaker 400mm -- Optional (all models)	43N9091	2
11	Battery 3V - Lithium (models 91G 91J 71G 72G)	45C1566	1
12	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB (models)	40Y9035	1
12	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB (models 91G 91J 71G 72G)	40Y9036	1
12	Hard disk drive, SATA 320GB 7200rpm SATA/8MB (models)	87H4891	1
12	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB (models)	41X5582	1
12	Hard disk drive, 1TB 7200rpm SATA (models)	45C5973	1
12	Hard disk drive, 150G 10K rpm, SATA (models)	46R8893	1
14	Intrusion Switch Asm 475mm --Optional (all models)	39K5022	2

Item#	7523 FRUs	FRU#	CRU
14	Intrusion Switch Asm (all models)	41R6116	2
15	System fan, rear (all models)	41R6269	2
16	Power supply, ATX 450W 80% power supply, Robust, WW, JP (models 91G 91J 71G 72G)	41A9721	2
16	Power supply, ATX 280W power supply, Robust, WW (models 91G 71G 72G)	41A9684	2
16	Power supply, ATX 280W 80% power supply, Robust, WW, JP (models 91G 91J 71G 72G)	41A9665	2

The FRUs listed in the following tables are not illustrated.

7523 FRUs	FRU#	CRU
System fan, front fan used for 2X500G (all models)	43N9599	2
Shield, 5.25 EMC FOR 1st ODD Bay (all models)	41N8080	1
Cable - SATA 457 mm (RoHS) for ODD (all models)	43N9013	2
Cable - SATA, Second HDD, 120 mm, 1 latching for Device, RoHS (all models)	41R3328	2
Cable - SATA 250 mm (RoHS) for 1st HDD (all models)	43N9012	2
Second HDD Bracket Asm (all models)	41R6106	1
FDD EMC Shield (all models)	41N8078	1
Temp Sense Cable (6pin 460 mm) (all models)	45J9495	2
FDD Cable (all models)	41A7182	2
FDD Cable, 310 mm (all models)	41A7147	2
I/O Shield - Ace (all models)	41N8053	2
HDD Tray (all models)	41R6291	1
ODD/FDD/Cardreader Retainers (all models)	43N9351	1
Cable Clip, FW-6D (all models)	43N9462	2
Power switch cable, 760 mm (all models)	45J9512	2
Front I_O cable_R (all models)	45J9506	2
ODD door assembly (all models)	43N9663	1
No FDD cover assembly (all models)	43N9664	1
FDD/Cardreader cover (all models)	43N9665	1
USB cover (all models)	43N9666	1
Top handle assembly (all models)	43N9667	1
3.5'' Convert 2.5'' for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9593	2
Thermal Grease (all models)	91P8835	N

7523 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--US English (models 91G 71G 72G)	41A5289	1
USB FULL--Arabic (models 91G 71G 72G)	41A5290	1
USB FULL--Arabic/French (models 91G 71G 72G)	41A5291	1
USB FULL--Belgium French (models 91G 71G 72G)	41A5292	1
USB FULL--Belgium English (models 91G 71G 72G)	41A5293	1
USB FULL--Brazilian Portuguese (models)	41A5294	1

7523 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--Bulgarian (models 91G 71G 72G)	41A5295	1
USB FULL--Chinese/US (models)	41A5296	1
USB FULL--Czech (ABB) (models 91G 71G 72G)	41A5297	1
USB FULL--Danish (models 91G 71G 72G)	41A5298	1
USB FULL--Dutch (models 91G 71G 72G)	41A5299	1
USB FULL--French (models 91G 71G 72G)	41A5300	1
USB FULL--French Canadian (models 91G 71G 72G)	41A5301	1
USB FULL--French Canadian (models 91G 71G 72G)	41A5302	1
USB FULL--German (models 91G 71G 72G)	41A5303	1
USB FULL--Greek (models 91G 71G 72G)	41A5304	1
USB FULL--Greek/US (models 91G 71G 72G)	41A5305	1
USB FULL--Hebrew (models 91G 71G 72G)	41A5306	1
USB FULL--Hungarian (models 91G 71G 72G)	41A5307	1
USB FULL--Iceland (models 91G 71G 72G)	41A5308	1
USB FULL--Italy (models 91G 71G 72G)	41A5309	1
USB FULL--Japanese (models 91J)	41A5310	1
USB FULL--Korean (models)	41A5311	1
USB FULL--LA Spanish (models)	41A5312	1
USB FULL--Norwegian (models 91G 71G 72G)	41A5313	1
USB FULL--Polish (models 91G 71G 72G)	41A5314	1
USB FULL--Portuguese (models 91G 71G 72G)	41A5315	1
USB FULL--Romanian (models 91G 71G 72G)	41A5317	1
USB FULL--Romanian (models 91G 71G 72G)	41A5316	1
USB FULL--Russian/Cyrillic (models 91G 71G 72G)	41A5318	1
USB FULL--Serbian/Cyrillic (models 91G 71G 72G)	41A5319	1
USB FULL--Slovak (models 91G 71G 72G)	41A5320	1
USB FULL--Spanish (models 91G 71G 72G)	41A5321	1
USB FULL--Swedish/Finnish (models 91G 71G 72G)	41A5322	1
USB FULL--Swiss French/German (models 91G 71G 72G)	41A5323	1
USB FULL--Thailand (models)	41A5324	1
USB FULL--Turkish (models 91G 71G 72G)	41A5325	1
USB FULL--Turkish (models 91G 71G 72G)	41A5326	1
USB FULL --UK English (models 91G 71G 72G)	41A5327	1
USB FULL--US Euro (models 91G 71G 72G)	41A5328	1
USB FULL--Slovenian (models 91G 71G 72G)	41A5329	1
USB FULL--Lithuanian (models 91G 71G 72G)	45J4896	1
USB FULL--Estonia (models CTO)	51J0059	1

7523 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
US English (models)	41R0038	1
Arabic (models)	41R0039	1

7523 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
Arabic/French (models)	41R0040	1
Belgium French (models)	41R0041	1
Belgium English (models)	41R0042	1
Brazilian Portuguese (models)	41R0043	1
Bulgarian (models)	41R0044	1
Chinese/US (models)	41R0045	1
Czech (ABB) (models)	41R0046	1
Danish (models)	41R0047	1
Dutch (models)	41R0048	1
French (models)	41R0049	1
French Canadian (models)	41R0050	1
French Canadian (models)	41R0051	1
German (models)	41R0052	1
Greek (models)	41R0053	1
Greek/US (models)	41R0054	1
Hebrew (models)	41R0055	1
Hungarian (models)	41R0056	1
Iceland (models)	41R0057	1
Italian (models)	41R0058	1
Japanese (models)	41R0059	1
Korean (models)	41R0060	1
LA Spanish (models)	41R0061	1
Norwegian (models)	41R0062	1
Polish (models)	41R0063	1
Portuguese (models)	41R0064	1
Romanian (models)	41R0065	1
Romanian (models)	41R0066	1
Russian/Cyrillic (models)	41R0067	1
Serbian/Cyrillic (models)	41R0068	1
Slovak (models)	41R0069	1
Spanish (models)	41R0070	1
Swedish/Finnish (models)	41R0071	1
Swiss French/German (models)	41R0072	1
Thailand (models)	41R0073	1
Turkish (models)	41R0074	1
Turkish (models)	41R0075	1
UK English (models)	41R0076	1
US Euro (models)	41R0077	1
Slovenian (models)	41R0078	1

7523 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--US English (models)	41A5039	1
PS/2 Full--Arabic (models)	41A5040	1
PS/2 Full--Arabic (New) (models)	45J4880	1
PS/2 Full--Arabic/French (models)	41A5041	1
PS/2 Full--Belgium French (models)	41A5042	1
PS/2 Full--Belgium English (models)	41A5043	1
PS/2 Full--Brazilian Portuguese (models)	41A5044	1
PS/2 Full--Bulgarian (models)	41A5045	1
PS/2 Full--Chinese/US (models)	41A5046	1
PS/2 Full--Czech (ABB) (models)	41A5047	1
PS/2 Full--Danish (models)	41A5048	1
PS/2 Full--Dutch (models)	41A5049	1
PS/2 Full--French (models)	41A5050	1
PS/2 Full--French Canadian (models)	41A5051	1
PS/2 Full--French Canadian (models)	41A5052	1
PS/2 Full--German (models)	41A5053	1
PS/2 Full--Greek (models)	41A5054	1
PS/2 Full--Greek/US (models)	41A5080	1
PS/2 Full--Hebrew (models)	41A5055	1
PS/2 Full--Hungarian (models)	41A5056	1
PS/2 Full--Iceland (models)	41A5057	1
PS/2 Full--Italian (models)	41A5058	1
PS/2 Full--Japanese (models)	41A5059	1
PS/2 Full--Korean (models)	41A5060	1
PS/2 Full--LA Spanish (models)	41A5061	1
PS/2 Full--Norwegian (models)	41A5062	1
PS/2 Full--Polish (models)	41A5063	1
PS/2 Full--Portuguese (models)	41A5064	1
PS/2 Full--Romanian (models)	41A5065	1
PS/2 Full--Russian/Cyrillic (models)	41A5066	1
PS/2 Full--Serbian/Cyrillic (models)	41A5067	1
PS/2 Full--Slovak (models)	41A5068	1
PS/2 Full--Spanish (models)	41A5069	1
PS/2 Full--Swedish/Finnish (models)	41A5070	1
PS/2 Full--Swiss French/German (models)	41A5071	1
PS/2 Full--Thailand (models)	41A5072	1
PS/2 Full--Turkish (models)	41A5073	1
PS/2 Full--Turkish (models)	41A5074	1
PS/2 Full--UK English (models)	41A5075	1
PS/2 Full--US Euro (models)	41A5076	1
PS/2 Full--Slovenian (models)	41A5077	1

7523 Mice	FRU#	CRU
Optical Wheel Mouse OPT (400DPI, USB) (models 91G 91J 71G 72G)	41U3013	1
Optical Wheel Mouse OPT (400DPI, USB) (models 91G 91J 71G 72G)	41U3030	1
PS/2 Three button ball mouse scrollpoint (41R0017) (models)	41R0018	1

7523 Adapters and miscellaneous FRUs	FRU#	CRU
Internal 25 in 1 USB Memory Card Reader (models)	45R8139	1
IEEE 1394 Firewire Adapter ATX (models)	41D2781	1
Speaker power brick - US, Canada, LA low voltage, ASEAN (models)	89P8571	1
Speaker power brick - LA high voltage (non-APU) (models)	89P8575	1
Speaker power brick - Simplified Chinese, Thailand EMEA (models 91G)	89P8581	1
Speaker power brick - Japanese (models 91J)	89P8577	1
Speaker power brick - Brazil (models)	89P8583	1
Speaker power brick - Argentina (models)	41A4901	1
Speaker power brick - ANZ (models)	89P8579	1
Speaker power brick - Korea (models)	41A4903	1
Speaker power brick - Hong Kong, EMEA, Ireland (models 91G)	89P8573	1
Speaker power brick -Taiwan-Traditional Chinese (models)	41A4905	1
Speaker power brick - India, South Africa (models)	89P8585	1
2-pc external speaker--primary (models)	41A5331	1
2-pc external speaker-secondary (models)	41A5334	1
DVI-I(M)-VGA(F) cord (models)	41R3342	1
Geforce 9500GT GDDR3 512MB - DVI+HDMI+DP (models)	46R1524	1
ATI HD3470 GDDR3 256MB - VGA+DP (models)	46R1521	1
ADD2 DVI-D Adapter, (HDCP) DVD-D connection Adapter Low Profile (Silicon Image) (models)	43C0258	1
DisplayPort to DVI-D Dongle (models)	43N9160	1
DisplayPort to VGA Dongle (models)	45J9524	1
Modem phone cable (models)	39K5120	1
LI300mm Rear USB 2Ports II HP® (models)	42Y8005	2
LI350mm Rear Com2 cable II mini® (models)	41R8548	2
NVIDIA G100 DDR2 256MB ATX - DVI-I+VGA (models)	53Y9249	1
Soft Modem V.90/V.44 ATX (models)	46R4220	1

7523 Power Cords (Primary)	FRU #	CRU
Power cord - US (models)	41R3184	1
Power cord - China (models)	41R3256	1
Power Cord - Japanese and Japanese English (models 91J)	41R3248	1
Power cord - Brazil (models)	41R3270	1
Power cord - LA High Volt (APU) (models)	41R3176	1
Power cord - Australia / New Zealand (models)	41R3196	1

7523 Power Cords (Primary)	FRU #	CRU
Power cord - Korea (models)	41R3260	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models)	41R3224	1
Power cord - Taiwan (models)	41R3278	1
Power cord - Italy (models)	41R3232	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models)	41R3208	1
Power cord - Denmark (models 91G 71G 72G)	41R3212	1
Power cord - Switzerland (models 91G 71G 72G)	41R3228	1
Power cord - Israel (models 91G 71G 72G)	41R3236	1
Power cord - South Africa (models 91G 71G 72G)	41R3220	1
Power cord - India (models)	41R3341	1
Power cord - Thailand (models)	43N9029	1

7523 Power Cords (Secondary)	FRU#	CRU
Power cord - US (models)	41R3185	1
Power cord - China (models)	41R3257	1
Power Cord - Japanese and Japanese English (models 91J)	41R3249	1
Power cord - Brazil (models)	41R3271	1
Power cord - LA High Volt (APU) (models)	41R3177	1
Power cord - Australia / New Zealand (models)	41R3197	1
Power cord - Korea (models)	41R3261	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models)	41R3225	1
Power cord - Taiwan (models)	41R3279	1
Power cord - Italy (models)	41R3233	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models)	41R3209	1
Power cord - Denmark (models 91G 71G 72G)	41R3213	1
Power cord - Switzerland (models 91G 71G 72G)	41R3229	1
Power cord - Israel (models 91G 71G 72G)	41R3237	1
Power cord - South Africa (models 91G 71G 72G)	41R3221	1
Power cord - India (models)	41R3175	1
Power cord - Thailand (models)	43N9030	1
Power cord - Y cable for Brazil (models)	43N9044	1

7523 Windows XP Home Recovery CDs	FRU#	CRU
US English/UK/Asia Pacific (models)	TBD	1
French/French Canadian (models)	TBD	1
Greek (models)	TBD	1
Italy (models)	TBD	1
Brazilian (models)	TBD	1

7523 Windows XP Home Recovery CDs	FRU#	CRU
Spanish/LA (models)	TBD	1
Danish (models)	TBD	1
Dutch (models)	TBD	1
Arabic (models)	TBD	1
Swedish (models)	TBD	1
Hebrew (models)	TBD	1
Finnish (models)	TBD	1
Norwegian (models)	TBD	1
Polish (models)	TBD	1
Portuguese (models)	TBD	1
Russian (models)	TBD	1
Russian English (models)	TBD	1
Hungarian (models)	TBD	1
Czech (models)	TBD	1
Turkish native (models)	TBD	1
Greek (models)	TBD	1
Japanese (models)	TBD	1
Simplified Chinese (models)	TBD	1
Taiwan-TC (models)	TBD	1
Hong Kong-TC (models)	TBD	1
Korean (models)	TBD	1

7523 Windows XP Pro Recovery CDs	FRU#	CRU
US English (models)	64Y5685	1
French (models)	64Y5686	1
German (models)	64Y5687	1
Italian (models)	64Y5690	1
Brazilian Portuguese (models)	64Y5689	1
Spanish (models)	64Y5688	1
Danish (models)	64Y5694	1
Dutch (models)	64Y5695	1
Arabic (models)	64Y5699	1
Swedish (models)	64Y5693	1
Hebrew (models)	63Y8286	1
Finnish (models)	64Y5697	1
Norwegian (models)	64Y5692	1
Polish (models)	64Y5698	1
Portuguese (models)	63Y8294	1
Russian (models)	64Y5700	1
Russian English (models)	63Y8290	1
Hungarian (models)	63Y8292	1

7523 Windows XP Pro Recovery CDs	FRU#	CRU
Czech (models)	64Y5696	1
Turkish (models)	64Y5701	1
Greek (models)	64Y5702	1
Slovenian (models)	63Y8295	1
Japanese (models)	64Y6068	1
Simplified Chinese (models)	64Y5703	1
Taiwan-TC (models)	64Y5704	1
Hong Kong-TC (models)	64Y5705	1
Korea (models)	63Y8299	1
MUI Nordics (EN-DK-FI-NO-SV) (models)	64Y4801	1
MUI Switz (US EN-FR -GR-IT) (models)	64Y4802	1
MUI Bel-Lux (EN-FR-GR-NL) (models)	64Y4803	1

7523 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2771	1
French (models)	64Y2773	1
German (models)	64Y2774	1
Spanish (models)	64Y2775	1
Brazilian (models)	64Y2776	1
Italian (models)	64Y2777	1
Japanese (models)	64Y6073	1
Dutch (models)	64Y2791	1
Czech (models)	64Y2778	1
Polish (models)	64Y2779	1
Russian (models)	64Y2780	1
Turkish (models)	64Y2781	1
Hungarian (models)	64Y2782	1
Greek (models)	64Y2783	1
Portuguese (models)	64Y2794	1
Simplified Chinese (models)	64Y2785	1
Hong Kong (models)	64Y2787	1
Traditional Chinese (models)	64Y2786	1
Korean (models)	64Y2788	1
Slovenian (models)	64Y2789	1
Russian English (models)	64Y2772	1
Hebrew (models)	64Y2792	1
Arabic Localized (models)	64Y2790	1
Slovakian (models)	64Y2796	1
Romanian (models)	64Y2793	1
Serbian-Latin (models)	64Y2795	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2797	1

7523 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2798	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2799	1

7523 Vista Business 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2684	1
French (models)	64Y2686	1
German (models)	64Y2687	1
Spanish (models)	64Y2688	1
Brazilian Portuguese (models)	64Y2689	1
Italian (models)	64Y2690	1
Japanese (models)	64Y6071	1
Dutch (models)	64Y2704	1
Czech (models)	64Y2691	1
Polish (models)	64Y2692	1
Russian (models)	64Y2693	1
Turkish (models)	64Y2694	1
Hungarian (models)	64Y2695	1
Greek (models)	64Y2696	1
Portuguese (models)	64Y2707	1
Simplified Chinese (models)	64Y2698	1
Traditional Chinese (models)	64Y2699	1
Hong Kong (models)	64Y2700	1
Korean (models)	64Y2701	1
Slovenian (models)	64Y2702	1
Russian English (models)	64Y2685	1
Romanian (models)	64Y2706	1
Serbian-Latin (models)	64Y2708	1
Slovakian (models)	64Y2709	1
Arabic Localized (models)	64Y2703	1
Hebrew (models)	64Y2705	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2710	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2711	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2712	1

7523 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2800	1
French (models)	64Y2801	1
German (models)	64Y2802	1
Spanish (models)	64Y2803	1
Italian (models)	64Y2805	1
Japanese (models)	64Y6074	1

7523 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
Hong Kong (models)	64Y2807	1
Korean (models)	64Y2804	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2808	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2809	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2810	1

7523 Vista Business 64 Recovery DVDs	FRU#	CRU
US English (models)	64Y2820	1
French (models)	64Y2821	1
German (models)	64Y2822	1
Japanese (models)	64Y6076	1
Simplified Chinese (models)	64Y2824	1

7523 Vista Ultimate 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2811	1
Japanese (models)	64Y6075	1
French (models)	64Y2812	1
German (models)	64Y2813	1
Spanish (models)	64Y2814	1
Italian (models)	64Y2815	1
Hong Kong - Traditional Chinese (models)	64Y2817	1
Arabic localized (models)	64Y2818	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2819	1

7523 Vista Starter 32 Recovery DVDs	FRU#	CRU
English (models)	TBD	1

Machine Type 7560
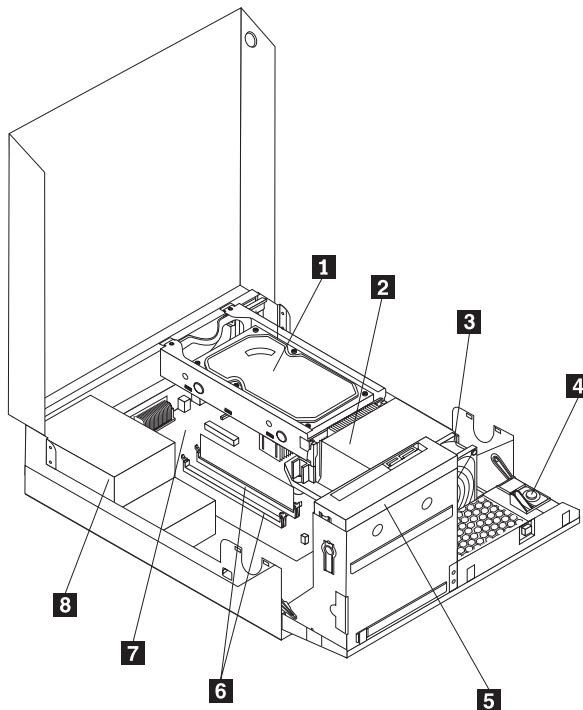
Item#	7560 FRUs	FRU#	CRU
1	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB (models 91G 91J)	40Y9035	1
1	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB (models 91G 91J)	40Y9036	1
1	Hard disk drive, SATA 320GB 7200rpm SATA/8MB (models 91G 91J)	87H4891	1
1	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB (models 91G 91J)	41X5582	1
1	Hard disk drive, 1TB 7200rpm SATA (models 91G 91J)	45C5973	1
1	Hard disk drive, 150G 10K rpm, SATA (models 91G 91J)	46R8893	1
2	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91G 91J)	53Y6653	N
2	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91G 91J)	53Y6654	N
2	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST, EM64T, EDB) 65W (models 91G 91J)	53Y9049	N
2	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST, EM64T, EDB) M0 65W (models 91G 91J)	53Y9051	N
2	Microprocessor, Q8300 Yorkfield 2.5GHZ, 1333MHz, 4M R-0 (ViiV, EIST, EM64T, EDB) 95W (models 91G 91J)	53Y6656	N
2	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W (models 91G 91J)	46R8640	N
2	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W (models 91G 91J)	45C7735	N
2	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W (models 91G 91J)	45C7736	N
2	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W (models 91G 91J)	45C7737	N
2	Microprocessor, E8190 2.66GHz 1333MHz FSB 6M C-0 - NON VT/Vpro 65W (models 91G 91J)	45R2568	N
2	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W (models 91G 91J)	45R8337	N

Item#	7560 FRUs	FRU#	CRU
2	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W (models 91G 91J)	46R1622	N
2	Microprocessor, E2180 Conroe-L 2.0GHz 800MHz FSB 1M (models 91G 91J)	45C1773	N
2	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M (models 91G 91J)	45C5349	N
2	Microprocessor, E2220 Conroe-L 2.4GHz 800MHz FSB 1M (models 91G 91J)	45C1774	N
2	Microprocessor, E5200 2.5G 800MHz 2M M-0 65W, 45nm (models 91G 91J)	46R9512	N
2	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W (models 91G 91J)	46R1655	N
2	Microprocessor, E1400 2.0GHz 800MHz FSB 512K - NPI M-0 65W (models 91G 91J)	45R8339	N
2	Microprocessor, E1200 1.6GHZ/800MHZ/512K M-0 65W (models 91G 91J)	45R8341	N
2	Microprocessor, Cel-430 Conroe-L 1.8GHz 800MHz FSB 512K (models 91G 91J)	43C1964	N
2	Microprocessor, Cel-440 Conroe-L 2.0GHz 800MHz FSB 512K (models 91G 91J)	43C1965	N
2	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W (models 91G 91J)	46R9514	N
2	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W (models 91G 91J)	46R8642	N
2	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W (models 91G 91J)	46R8644	N
2	Microprocessor, Q8200 2.33GHz 1333FSB 4M M-1 95W (models 91G 91J)	46R9516	N
2	Microprocessor, Q6700 2.66GHZ 1066FSB 8M G-0 Stepping Level, 95W (models 91G 91J)	43C6309	N
2	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W (models 91G 91J)	45C7739	N
2	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W (models 91G 91J)	45C7740	N
2	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W (models 91G 91J)	45C7741	N
2	Microprocessor, E5400 2.7G 800MHz-2MB 65W Non-vPro SKU (models 91G 91J)	64Y1075	N
3	95W heat sink kit with RM (all models)	41R6454	2
3	65W heat sink kit with RM (all models)	43N9349	2
4	Internal speaker 254 mm - optional (all models)	39K5012	2
5	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista (models 91G 91J)	41N3325	1
5	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista (models 91G 91J)	43C1042	1
6	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM (models 91G 91J)	41X4255	1
6	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM (models 91G 91J)	41X4256	1
6	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM (models 91G 91J)	41X4257	1
6	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM (models 91G 91J)	41X1079	1
6	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G 91J)	41X1080	1
6	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G 91J)	41X1081	1
7	System board, Intel G41 BTX(GA) non-AMT (models 91G 91J)	46R8892	N
8	Power supply, 280W Active PFC power supply (Auto sensing) for 10L---Robust, ww, JP (models 91G 91J)	41A9701	N
8	Power supply, 280W 85+ power supply for 10L---Robust, ww, JP (models 91G 91J)	41A9742	N

The FRUs listed in the following tables are not illustrated.

7560 FRUs	FRU#	CRU
Battery 3V - Lithium (models 91G 91J)	45C1566	1

7560 FRUs	FRU#	CRU
Cable - SATA 250 mm (RoHS) for 1st HDD (all models)	43N9012	2
Cable - SATA 600mm (RoHS) (all models)	45J9579	2
Cable - SATA 700 mm (RoHS) for ODD / Second HDD (all models)	43N9011	2
C2 Intrusion Switch 260 mm (all models)	43N9080	2
Rear IO shield BTX (all models)	41R6381	N
Temp Sense Cable (165 mm) (all models)	43N9079	2
Air Deflector, recycle resin (all models)	43N9610	2
HDD Tray ASM (all models)	43N9595	1
Front cage ASM (all models)	43N9596	N
Front cage ASM (all models)	43N9647	N
Cable, Front I_O cable_R (10L_U380_A550)_ESD (all models)	45J9509	2
Models with 3.5″ Convert 2.5″ for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9645	2
3.5″ Convert 2.5″ for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9593	2
Universal Adapter Bracket 5.25 to 3.5 607CT (all models)	43N9676	2
Top cover ASM (all models)	43N9594	1
Cable, LED/Switch cable_R (10L_220 mm_PCBA) (all models)	45J9515	2
NO ODD, EMI Shielding (all models)	43N9641	1
Card reader bezel, 607CT (all models)	43N9642	1
Non-Card reader bezel, 607CT (all models)	43N9643	1
Vertical Stand (all models)	43N9644	1
Front bezel ASM (all models)	43N9677	1
Chassis (all models)	43N9649	N
Rubber foot for vertical (all models)	43N9727	1
Rubber foot for horizontal (all models)	43N9728	1
Thermal Grease (all models)	91P8835	N

7560 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--US English (models 91G 91J)	41A5289	1
USB FULL--Arabic (models 91G 91J)	41A5290	1
USB FULL--Arabic/French (models 91G 91J)	41A5291	1
USB FULL--Belgium French (models 91G 91J)	41A5292	1
USB FULL--Belgium English (models 91G 91J)	41A5293	1
USB FULL--Brazilian Portuguese (models 91G 91J)	41A5294	1
USB FULL--Bulgarian (models 91G 91J)	41A5295	1
USB FULL--Chinese/US (models 91G 91J)	41A5296	1
USB FULL--Czech (ABB) (models 91G 91J)	41A5297	1
USB FULL--Danish (models 91G 91J)	41A5298	1
USB FULL--Dutch (models 91G 91J)	41A5299	1
USB FULL--French (models 91G 91J)	41A5300	1
USB FULL--French Canadian (models 91G 91J)	41A5301	1
USB FULL--French Canadian (models 91G 91J)	41A5302	1

7560 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--German (models 91G 91J)	41A5303	1
USB FULL--Greek (models 91G 91J)	41A5304	1
USB FULL--Greek/US (models 91G 91J)	41A5305	1
USB FULL--Hebrew (models 91G 91J)	41A5306	1
USB FULL--Hungarian (models 91G 91J)	41A5307	1
USB FULL--Iceland (models 91G 91J)	41A5308	1
USB FULL--Italy (models 91G 91J)	41A5309	1
USB FULL--Japanese (models 91G 91J)	41A5310	1
USB FULL--Korean (models 91G 91J)	41A5311	1
USB FULL--LA Spanish (models 91G 91J)	41A5312	1
USB FULL--Norwegian (models 91G 91J)	41A5313	1
USB FULL--Polish (models 91G 91J)	41A5314	1
USB FULL--Portuguese (models 91G 91J)	41A5315	1
USB FULL--Romanian (models 91G 91J)	41A5317	1
USB FULL--Romanian (models 91G 91J)	41A5316	1
USB FULL--Russian/Cyrillic (models 91G 91J)	41A5318	1
USB FULL--Serbian/Cyrillic (models 91G 91J)	41A5319	1
USB FULL--Slovak (models 91G 91J)	41A5320	1
USB FULL--Spanish (models 91G 91J)	41A5321	1
USB FULL--Swedish/Finnish (models 91G 91J)	41A5322	1
USB FULL--Swiss French/German (models 91G 91J)	41A5323	1
USB FULL--Thailand (models 91G 91J)	41A5324	1
USB FULL--Turkish (models 91G 91J)	41A5325	1
USB FULL--Turkish (models 91G 91J)	41A5326	1
USB FULL --UK English (models 91G 91J)	41A5327	1
USB FULL--US Euro (models 91G 91J)	41A5328	1
USB FULL--Slovenian (models 91G 91J)	41A5329	1
USB FULL--Arabic (New) (models 91G 91J)	45J4880	1
USB FULL--Lithuanian (models 91G 91J)	45J4896	1
USB FULL--Estonia (models 91G 91J)	51J0059	1

7560 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
US English (models 91G 91J)	41R0038	1
Arabic (models 91G 91J)	41R0039	1
Arabic/French (models 91G 91J)	41R0040	1
Belgium French (models 91G 91J)	41R0041	1
Belgium English (models 91G 91J)	41R0042	1
Brazilian Portuguese (models 91G 91J)	41R0043	1
Bulgarian (models 91G 91J)	41R0044	1
Chinese/US (models 91G 91J)	41R0045	1
Czech (ABB) (models 91G 91J)	41R0046	1

7560 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
Danish (models 91G 91J)	41R0047	1
Dutch (models 91G 91J)	41R0048	1
French (models 91G 91J)	41R0049	1
French Canadian (models 91G 91J)	41R0050	1
French Canadian (models 91G 91J)	41R0051	1
German (models 91G 91J)	41R0052	1
Greek (models 91G 91J)	41R0053	1
Greek/US (models 91G 91J)	41R0054	1
Hebrew (models 91G 91J)	41R0055	1
Hungarian (models 91G 91J)	41R0056	1
Iceland (models 91G 91J)	41R0057	1
Italian (models 91G 91J)	41R0058	1
Japanese (models 91G 91J)	41R0059	1
Korean (models 91G 91J)	41R0060	1
LA Spanish (models 91G 91J)	41R0061	1
Norwegian (models 91G 91J)	41R0062	1
Polish (models 91G 91J)	41R0063	1
Portuguese (models 91G 91J)	41R0064	1
Romanian (models 91G 91J)	41R0065	1
Romanian (models 91G 91J)	41R0066	1
Russian/Cyrillic (models 91G 91J)	41R0067	1
Serbian/Cyrillic (models 91G 91J)	41R0068	1
Slovak (models 91G 91J)	41R0069	1
Spanish (models 91G 91J)	41R0070	1
Swedish/Finnish (models 91G 91J)	41R0071	1
Swiss French/German (models 91G 91J)	41R0072	1
Thailand (models 91G 91J)	41R0073	1
Turkish (models 91G 91J)	41R0074	1
Turkish (models 91G 91J)	41R0075	1
UK English (models 91G 91J)	41R0076	1
US Euro (models 91G 91J)	41R0077	1
Slovenian (models 91G 91J)	41R0078	1

7560 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--US English (models 91G 91J)	41A5039	1
PS/2 Full--Arabic (models 91G 91J)	41A5040	1
PS/2 Full--Arabic/French (models 91G 91J)	41A5041	1
PS/2 Full--Belgium French (models 91G 91J)	41A5042	1
PS/2 Full--Belgium English (models 91G 91J)	41A5043	1
PS/2 Full--Brazilian Portuguese (models 91G 91J)	41A5044	1
PS/2 Full--Bulgarian (models 91G 91J)	41A5045	1

7560 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--Chinese/US (models 91G 91J)	41A5046	1
PS/2 Full--Czech (ABB) (models 91G 91J)	41A5047	1
PS/2 Full--Danish (models 91G 91J)	41A5048	1
PS/2 Full--Dutch (models 91G 91J)	41A5049	1
PS/2 Full--French (models 91G 91J)	41A5050	1
PS/2 Full--French Canadian (models 91G 91J)	41A5051	1
PS/2 Full--French Canadian (models 91G 91J)	41A5052	1
PS/2 Full--German (models 91G 91J)	41A5053	1
PS/2 Full--Greek (models 91G 91J)	41A5054	1
PS/2 Full--Greek/US (models 91G 91J)	41A5080	1
PS/2 Full--Hebrew (models 91G 91J)	41A5055	1
PS/2 Full--Hungarian (models 91G 91J)	41A5056	1
PS/2 Full--Iceland (models 91G 91J)	41A5057	1
PS/2 Full--Italian (models 91G 91J)	41A5058	1
PS/2 Full--Japanese (models 91G 91J)	41A5059	1
PS/2 Full--Korean (models 91G 91J)	41A5060	1
PS/2 Full--LA Spanish (models 91G 91J)	41A5061	1
PS/2 Full--Norwegian (models 91G 91J)	41A5062	1
PS/2 Full--Polish (models 91G 91J)	41A5063	1
PS/2 Full--Portuguese (models 91G 91J)	41A5064	1
PS/2 Full--Romanian (models 91G 91J)	41A5065	1
PS/2 Full--Russian/Cyrillic (models 91G 91J)	41A5066	1
PS/2 Full--Serbian/Cyrillic (models 91G 91J)	41A5067	1
PS/2 Full--Slovak (models 91G 91J)	41A5068	1
PS/2 Full--Spanish (models 91G 91J)	41A5069	1
PS/2 Full--Swedish/Finnish (models 91G 91J)	41A5070	1
PS/2 Full--Swiss French/German (models 91G 91J)	41A5071	1
PS/2 Full--Thailand (models 91G 91J)	41A5072	1
PS/2 Full--Turkish (models 91G 91J)	41A5073	1
PS/2 Full--Turkish (models 91G 91J)	41A5074	1
PS/2 Full--UK English (models 91G 91J)	41A5075	1
PS/2 Full--US Euro (models 91G 91J)	41A5076	1
PS/2 Full--Slovenian (models 91G 91J)	41A5077	1

7560 Mice	FRU#	CRU
Optical Wheel Mouse OPT (400DPI, USB) (models 91G 91J)	41U3013	1
Optical Wheel Mouse OPT (400DPI, USB) (models 91G 91J)	41U3030	1
PS/2 Three button ball mouse scrollpoint (41R0017) (models 91G 91J)	41R0018	1

7560 Adapters and miscellaneous FRUs	FRU#	CRU
Internal 25 in 1 USB Memory Card Reader Slim (models 91G 91J)	46R1529	1

7560 Adapters and miscellaneous FRUs	FRU#	CRU
IEEE 1394 Firewire Adapter (models 91G 91J)	41D2781	1
Soft Modem V.90/V.44 (models 91G 91J)	46R4220	1
Speaker power brick - US, Canada, LA low voltage, ASEAN (models 91G 91J)	89P8571	1
Speaker power brick - LA high voltage (non-APU) (models 91G 91J)	89P8575	1
Speaker power brick - Simplified Chinese, Thailand EMEA (models 91G 91J)	89P8581	1
Speaker power brick - Japanese (models 91G 91J)	89P8577	1
Speaker power brick - Brazil (models 91G 91J)	89P8583	1
Speaker power brick - Argentina (models 91G 91J)	41A4901	1
Speaker power brick - ANZ (models 91G 91J)	89P8579	1
Speaker power brick - Korea (models 91G 91J)	41A4903	1
Speaker power brick - Hong Kong, EMEA, Ireland (models 91G 91J)	89P8573	1
Speaker power brick -Taiwan-Traditional Chinese (models 91G 91J)	41A4905	1
Speaker power brick - India, South Africa (models 91G 91J)	89P8585	1
2-pc external speaker--primary (models 91G 91J)	41A5331	1
2-pc external speaker-secondary (models 91G 91J)	41A5334	1
DVI-I(M)-VGA(F) cord (models 91G 91J)	41R3342	1
ATI HD3470 GDDR3 256MB - VGA+DP (models 91G 91J)	46R1521	1
ADD2 DVI-D Adapter, (HDCP) DVD-D connection Adapter Low Profile (Silicon Image) (models 91G 91J)	43C0258	1
DisplayPort to DVI-D Dongle (models 91G 91J)	43N9160	1
DisplayPort to VGA Dongle (models 91G 91J)	45J9524	1
Modem phone cable (models 91G 91J)	39K5120	1
LI140mm Rear Com2 cable II mini® (models 91G 91J)	43N9062	2
Rear USB 2 Ports II LP® 350 mm (models 91G 91J)	43N9124	2
NVIDIA G100 DDR2 256MB LP - DVI-I (With DVI-I to VGA Dongle) (models 91G 91J)	53Y9341	1

7560 Power Cords (Primary)	FRU #	CRU
Power cord - US (models 91G 91J)	41R3184	1
Power cord - China (models 91G 91J)	41R3256	1
Power Cord - Japanese and Japanese English (models 91G 91J)	41R3248	1
Power cord - Brazil (models 91G 91J)	41R3270	1
Power cord - LA High Volt (APU) (models 91G 91J)	41R3176	1
Power cord - Australia / New Zealand (models 91G 91J)	41R3196	1
Power cord - Korea (models 91G 91J)	41R3260	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91G 91J)	41R3224	1
Power cord - Taiwan (models 91G 91J)	41R3278	1
Power cord - Italy (models 91G 91J)	41R3232	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91G 91J)	41R3208	1
Power cord - Denmark (models 91G 91J)	41R3212	1
Power cord - Switzerland (models 91G 91J)	41R3228	1

7560 Power Cords (Primary)	FRU #	CRU
Power cord - Israel (models 91G 91J)	41R3236	1
Power cord - South Africa (models 91G 91J)	41R3220	1
Power cord - India (models 91G 91J)	41R3341	1
Power cord - Thailand (models 91G 91J)	43N9029	1

7560 Power Cords (Secondary)	FRU#	CRU
Power cord - US (models 91G 91J)	41R3185	1
Power cord - China (models 91G 91J)	41R3257	1
Power Cord - Japanese and Japanese English (models 91G 91J)	41R3249	1
Power cord - Brazil (models 91G 91J)	41R3271	1
Power cord - LA High Volt (APU) (models 91G 91J)	41R3177	1
Power cord - Australia / New Zealand (models 91G 91J)	41R3197	1
Power cord - Korea (models 91G 91J)	41R3261	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91G 91J)	41R3225	1
Power cord - Taiwan (models 91G 91J)	41R3279	1
Power cord - Italy (models 91G 91J)	41R3233	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91G 91J)	41R3209	1
Power cord - Denmark (models 91G 91J)	41R3213	1
Power cord - Switzerland (models 91G 91J)	41R3229	1
Power cord - Israel (models 91G 91J)	41R3237	1
Power cord - South Africa (models 91G 91J)	41R3221	1
Power cord - India (models 91G 91J)	41R3175	1
Power cord - Thailand (models 91G 91J)	43N9030	1
Power cord - Y cable for Brazil (models 91G 91J)	43N9044	1

7560 Windows XP Home Recovery CDs	FRU#	CRU
US English/UK/Asia Pacific (models 91G 91J)	TBD	1
French/French Canadian (models 91G 91J)	TBD	1
Greek (models 91G 91J)	TBD	1
Italy (models 91G 91J)	TBD	1
Brazilian (models 91G 91J)	TBD	1
Spanish/LA (models 91G 91J)	TBD	1
Danish (models 91G 91J)	TBD	1
Dutch (models 91G 91J)	TBD	1
Arabic (models 91G 91J)	TBD	1
Swedish (models 91G 91J)	TBD	1
Hebrew (models 91G 91J)	TBD	1
Finnish (models 91G 91J)	TBD	1
Norwegian (models 91G 91J)	TBD	1

7560 Windows XP Home Recovery CDs	FRU#	CRU
Polish (models 91G 91J)	TBD	1
Portuguese (models 91G 91J)	TBD	1
Russian (models 91G 91J)	TBD	1
Russian English (models 91G 91J)	TBD	1
Hungarian (models 91G 91J)	TBD	1
Czech (models 91G 91J)	TBD	1
Turkish native (models 91G 91J)	TBD	1
Greek (models 91G 91J)	TBD	1
Japanese (models 91G 91J)	TBD	1
Simplified Chinese (models 91G 91J)	TBD	1
Taiwan-TC (models 91G 91J)	TBD	1
Hong Kong-TC (models 91G 91J)	TBD	1
Korean (models 91G 91J)	TBD	1

7560 Windows XP Pro Recovery CDs	FRU#	CRU
US English (models 91G 91J)	64Y5685	1
French (models 91G 91J)	64Y5686	1
German (models 91G 91J)	64Y5687	1
Italian (models 91G 91J)	64Y5690	1
Brazilian Portuguese (models 91G 91J)	64Y5689	1
Spanish (models 91G 91J)	64Y5688	1
Danish (models 91G 91J)	64Y5694	1
Dutch (models 91G 91J)	64Y5695	1
Arabic (models 91G 91J)	64Y5699	1
Swedish (models 91G 91J)	64Y5693	1
Hebrew (models 91G 91J)	63Y8286	1
Finnish (models 91G 91J)	64Y5697	1
Norwegian (models 91G 91J)	64Y5692	1
Polish (models 91G 91J)	64Y5698	1
Portuguese (models 91G 91J)	63Y8294	1
Russian (models 91G 91J)	64Y5700	1
Russian English (models 91G 91J)	63Y8290	1
Hungarian (models 91G 91J)	63Y8292	1
Czech (models 91G 91J)	64Y5696	1
Turkish (models 91G 91J)	64Y5701	1
Greek (models 91G 91J)	64Y5702	1
Slovenian (models 91G 91J)	63Y8295	1
Japanese (models 91G 91J)	64Y6068	1
Simplified Chinese (models 91G 91J)	64Y5703	1
Taiwan-TC (models 91G 91J)	64Y5704	1
Hong Kong-TC (models 91G 91J)	64Y5705	1

7560 Windows XP Pro Recovery CDs	FRU#	CRU
Korean (models 91G 91J)	63Y8299	1
MUI Nordics (EN-DK-FI-NO-SV) (models 91G 91J)	64Y4801	1
MUI Switz (EN-FR-GR-IT) (models 91G 91J)	64Y4802	1
MUI Bel-Lux (EN-FR-GR-NL) (models 91G 91J)	64Y4803	1

7560 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
US English (models 91G 91J)	64Y2771	1
French (models 91G 91J)	64Y2773	1
German (models 91G 91J)	64Y2774	1
Spanish (models 91G 91J)	64Y2775	1
Brazilian (models 91G 91J)	64Y2776	1
Italian (models 91G 91J)	64Y2777	1
Japanese (models 91G 91J)	64Y6073	1
Dutch (models 91G 91J)	64Y2791	1
Czech (models 91G 91J)	64Y2778	1
Polish (models 91G 91J)	64Y2779	1
Russian (models 91G 91J)	64Y2780	1
Turkish (models 91G 91J)	64Y2781	1
Hungarian (models 91G 91J)	64Y2782	1
Greek (models 91G 91J)	64Y2783	1
Portuguese (models 91G 91J)	64Y2794	1
Simplified Chinese (models 91G 91J)	64Y2785	1
Hong Kong (models 91G 91J)	64Y2787	1
Traditional Chinese (models 91G 91J)	64Y2786	1
Korean (models 91G 91J)	64Y2788	1
Slovenian (models 91G 91J)	64Y2789	1
Russian English (models 91G 91J)	64Y2772	1
Hebrew (models 91G 91J)	64Y2792	1
Arabic Localized (models 91G 91J)	64Y2790	1
Slovakian (models 91G 91J)	64Y2796	1
Romanian (models 91G 91J)	64Y2793	1
Serbian-Latin (models 91G 91J)	64Y2795	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G 91J)	64Y2797	1
C&L 2 Switzerland (EN FR GR IT) (models 91G 91J)	64Y2798	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G 91J)	64Y2799	1

7560 Vista Business 32 Recovery DVDs	FRU#	CRU
US English (models 91G 91J)	64Y2684	1
French (models 91G 91J)	64Y2686	1
German (models 91G 91J)	64Y2687	1
Spanish (models 91G 91J)	64Y2688	1

7560 Vista Business 32 Recovery DVDs	FRU#	CRU
Brazilian Portuguese (models 91G 91J)	64Y2689	1
Italian (models 91G 91J)	64Y2690	1
Japanese (models 91G 91J)	64Y6071	1
Dutch (models 91G 91J)	64Y2704	1
Czech (models 91G 91J)	64Y2691	1
Polish (models 91G 91J)	64Y2692	1
Russian (models 91G 91J)	64Y2693	1
Turkish (models 91G 91J)	64Y2694	1
Hungarian (models 91G 91J)	64Y2695	1
Greek (models 91G 91J)	64Y2696	1
Portuguese (models 91G 91J)	64Y2707	1
Simplified Chinese (models 91G 91J)	64Y2698	1
Traditional Chinese (models 91G 91J)	64Y2699	1
Hong Kong (models 91G 91J)	64Y2700	1
Korean (models 91G 91J)	64Y2701	1
Slovenian (models 91G 91J)	64Y2702	1
Russian English (models 91G 91J)	64Y2685	1
Romanian (models 91G 91J)	64Y2706	1
Serbian-Latin (models 91G 91J)	64Y2708	1
Slovakian (models 91G 91J)	64Y2709	1
Arabic Localized (models 91G 91J)	64Y2703	1
Hebrew (models 91G 91J)	64Y2705	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G 91J)	64Y2710	1
C&L 2 Switzerland (EN FR GR IT) (models 91G 91J)	64Y2711	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G 91J)	64Y2712	1

7560 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
US English (models 91G 91J)	64Y2800	1
French (models 91G 91J)	64Y2801	1
German (models 91G 91J)	64Y2802	1
Spanish (models 91G 91J)	64Y2803	1
Italian (models 91G 91J)	64Y2805	1
Japanese (models 91G 91J)	64Y6074	1
Hong Kong (models 91G 91J)	64Y2807	1
Korean (models 91G 91J)	64Y2804	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G 91J)	64Y2808	1
C&L 2 Switzerland (EN FR GR IT) (models 91G 91J)	64Y2809	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G 91J)	64Y2810	1

7560 Vista Business 64 Recovery DVDs	FRU#	CRU
US English (models 91G 91J)	64Y2820	1

7560 Vista Business 64 Recovery DVDs	FRU#	CRU
French (models 91G 91J)	64Y2821	1
German (models 91G 91J)	64Y2822	1
Japanese (models 91G 91J)	64Y6076	1
Simplified Chinese (models 91G 91J)	64Y2824	1

7560 Vista Ultimate 32 Recovery DVDs	FRU#	CRU
US English (models 91G 91J)	64Y2811	1
Japanese (models 91G 91J)	64Y6075	1
French (models 91G 91J)	64Y2812	1
German (models 91G 91J)	64Y2813	1
Spanish (models 91G 91J)	64Y2814	1
Italian (models 91G 91J)	64Y2815	1
Hong Kong - Traditional Chinese (models 91G 91J)	64Y2817	1
Arabic localized (models 91G 91J)	64Y2818	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G 91J)	64Y2819	1

7560 Vista Starter 32 Recovery DVDs	FRU#	CRU
English (models 91G 91J)	TBD	1

Machine Type 7569

Item#	7569 FRUs	FRU#	CRU
1	Intel 95W/65W Heatsink (all models)	43N9409	2
1	Intel 65W heat sink (all models)	43N9708	2
2	System board, Intel G41 MATX(GA) non-AMT (models 91G 91M 91A 91Q 91K)	46R8891	N
3	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91G 91M 91A 91Q 91K)	53Y6653	N
3	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91G 91M 91A 91Q 91K)	53Y6654	N
3	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST, EM64T, EDB) 65W (models 91G 91M 91A 91Q 91K)	53Y9049	N
3	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST, EM64T, EDB) M0 65W (models 91G 91M 91A 91Q 91K)	53Y9051	N
3	Microprocessor, Q8300 Yorkfield 2.5GHZ, 1333MHz, 4M R-0 (ViiV, EIST, EM64T, EDB) 95W (models 91G 91M 91A 91Q 91K)	53Y6656	N
3	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W (models 91G 91M 91A 91Q 91K)	46R8640	N
3	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W (models 91G 91M 91A 91Q 91K)	45C7735	N
3	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W (models 91G 91M 91A 91Q 91K)	45C7736	N
3	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W (models 91G 91M 91A 91Q 91K)	45C7737	N

Item#	7569 FRUs	FRU#	CRU
3	Microprocessor, E8190 2.66GHz 1333MHz FSB 6M C-0 - NON VT/Vpro 65W (models 91G 91M 91A 91Q 91K)	45R2568	N
3	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W (models 91G 91M 91A 91Q 91K)	45R8337	N
3	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W (models 91G 91M 91A 91Q 91K)	46R1622	N
3	Microprocessor, E2180 Conroe-L 2.0GHz 800MHz FSB 1M (models 91G 91M 91A 91Q 91K)	45C1773	N
3	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M (models 91G 91M 91A 91Q 91K)	45C5349	N
3	Microprocessor, E2220 Conroe-L 2.4GHz 800MHz FSB 1M (models 91G 91M 91A 91Q 91K)	45C1774	N
3	Microprocessor, E5200 2.5G 800MHz 2M M-0 65W, 45nm (models 91G 91M 91A 91Q 91K)	46R9512	N
3	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W (models 91G 91M 91A 91Q 91K)	46R1655	N
3	Microprocessor, E1400 2.0GHz 800MHz FSB 512K - NPI M-0 65W (models 91G 91M 91A 91Q 91K)	45R8339	N
3	Microprocessor, E1200 1.6GHZ/800MHZ/512K M-0 65W (models 91G 91M 91A 91Q 91K)	45R8341	N
3	Microprocessor, Cel-430 Conroe-L 1.8GHz 800MHz FSB 512K (models 91G 91M 91A 91Q 91K)	43C1964	N
3	Microprocessor, Cel-440 Conroe-L 2.0GHz 800MHz FSB 512K (models 91G 91M 91A 91Q 91K)	43C1965	N
3	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W (models 91G 91M 91A 91Q 91K)	46R9514	N
3	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W (models 91G 91M 91A 91Q 91K)	46R8642	N
3	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W (models 91G 91M 91A 91Q 91K)	46R8644	N
3	Microprocessor, Q8200 2.33GHz 1333FSB 4M M-1 95W (models 91G 91M 91A 91Q 91K)	46R9516	N
3	Microprocessor, Q6700 2.66GHZ 1066FSB 8M G-0 Stepping Level, 95W (models 91G 91M 91A 91Q 91K)	43C6309	N
3	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W (models 91G 91M 91A 91Q 91K)	45C7739	N
3	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W (models 91G 91M 91A 91Q 91K)	45C7740	N
3	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W (models 91G 91M 91A 91Q 91K)	45C7741	N
3	Microprocessor, E5400 2.7G 800MHz 2MB 65W Non-vPro SKU (models 91G 91M 91A 91Q 91K)	64Y1075	N
4	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM (models 91G 91M 91A 91Q 91K)	41X4255	1
4	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM (models 91G 91M 91A 91Q 91K)	41X4256	1
4	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM (models 91G 91M 91A 91Q 91K)	41X4257	1

Item#	7569 FRUs	FRU#	CRU
4	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM (models 91G 91M 91A 91Q 91K)	41X1079	1
4	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G 91M 91A 91Q 91K)	41X1080	1
4	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G 91M 91A 91Q 91K)	41X1081	1
6	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista (models 91G 91M 91A 91Q 91K)	41N3325	1
6	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista (models 91G 91M 91A 91Q 91K)	43C1042	1
6	Optical drive, Blu-ray Recorder / DVD Super Multi (models 91G 91M 91A 91Q 91K)	53Y7643	1
7	Diskette drive, 3.5″ 1.44MB 2 Mode FDD with Bezel and cable (models 91G 91M 91A 91Q 91K)	40Y9107	1
7	Diskette drive, 3.5″ 1.44MB 2 Mode FDD with Bezel and cable (models 91G 91M 91A 91Q 91K)	40Y9105	1
8	Front bezel assembly (all models)	43N9662	1
8	Front bezel with ODD door assembly (all models)	43N9694	2
9	Internal speaker 400mm -- Optional (all models)	43N9091	2
11	Battery 3V - Lithium (models 91G 91M 91A 91Q 91K)	45C1566	1
12	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB (models 91G 91M 91A 91Q 91K)	40Y9035	1
12	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB (models 91G 91M 91A 91Q 91K)	40Y9036	1
12	Hard disk drive, SATA 320GB 7200rpm SATA/8MB (models 91G 91M 91A 91Q 91K)	87H4891	1
12	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB (models 91G 91M 91A 91Q 91K)	41X5582	1
12	Hard disk drive, 1TB 7200rpm SATA (models 91G 91M 91A 91Q 91K)	45C5973	1
12	Hard disk drive, 150G 10K rpm, SATA (models 91G 91M 91A 91Q 91K)	46R8893	1
14	Intrusion Switch Asm 475mm --Optional (all models)	39K5022	2
14	Intrusion Switch Asm (all models)	41R6116	2
15	System fan, rear (all models)	41R6269	2
16	Power supply, ATX 450W 80% power supply, Robust, WW, JP (models 91G 91M 91A 91Q 91K)	41A9721	2
16	Power supply, ATX 280W power supply, Robust, WW (models 91G 91M 91A 91Q 91K)	41A9684	2
16	Power supply, ATX 280W 80% power supply, Robust, WW, JP (models 91G 91M 91A 91Q 91K)	41A9665	2

The FRUs listed in the following tables are not illustrated.

7569 FRUs	FRU#	CRU
System fan, front fan used for 2X500G (all models)	43N9599	2
Shield, 5.25 EMC FOR 1st ODD Bay (all models)	41N8080	1
Cable - SATA 457 mm (RoHS) for ODD (all models)	43N9013	2

7569 FRUs	FRU#	CRU
Cable - SATA, Second HDD, 120 mm, 1 latching for Device, RoHS (all models)	41R3328	2
Cable - SATA 250 mm (RoHS) for 1st HDD (all models)	43N9012	2
Second HDD Bracket Asm (all models)	41R6106	1
FDD EMC Shield (all models)	41N8078	1
Temp Sense Cable (6pin 460 mm) (all models)	45J9495	2
FDD Cable (all models)	41A7182	2
FDD Cable, 310 mm (all models)	41A7147	2
I/O Shield - Ace (all models)	41N8053	2
HDD Tray (all models)	41R6291	1
ODD/FDD/Cardreader Retainers (all models)	43N9351	1
Cable Clip, FW-6D (all models)	43N9462	2
Power switch cable, 760 mm (all models)	45J9512	2
Front I_O cable_R (all models)	45J9506	2
ODD door assembly (all models)	43N9663	1
No FDD cover assembly (all models)	43N9664	1
FDD/Cardreader cover (all models)	43N9665	1
USB cover (all models)	43N9666	1
Top handle assembly (all models)	43N9667	1
3.5'' Convert 2.5'' for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9593	2
Thermal Grease (all models)	91P8835	N

7569 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--US English (models 91G 91M 91A 91Q 91K)	41A5289	1
USB FULL--Arabic (models 91G 91M 91A 91Q 91K)	41A5290	1
USB FULL--Arabic/French (models 91G 91M 91A 91Q 91K)	41A5291	1
USB FULL--Belgium French (models 91G 91M 91A 91Q 91K)	41A5292	1
USB FULL--Belgium English (models 91G 91M 91A 91Q 91K)	41A5293	1
USB FULL--Brazilian Portuguese (models 91G 91M 91A 91Q 91K)	41A5294	1
USB FULL--Bulgarian (models 91G 91M 91A 91Q 91K)	41A5295	1
USB FULL--Chinese/US (models 91G 91M 91A 91Q 91K)	41A5296	1
USB FULL--Czech (ABB) (models 91G 91M 91A 91Q 91K)	41A5297	1
USB FULL--Danish (models 91G 91M 91A 91Q 91K)	41A5298	1
USB FULL--Dutch (models 91G 91M 91A 91Q 91K)	41A5299	1
USB FULL--French (models 91G 91M 91A 91Q 91K)	41A5300	1
USB FULL--French Canadian (models 91G 91M 91A 91Q 91K)	41A5301	1
USB FULL--French Canadian (models 91G 91M 91A 91Q 91K)	41A5302	1
USB FULL--German (models 91G 91M 91A 91Q 91K)	41A5303	1
USB FULL--Greek (models 91G 91M 91A 91Q 91K)	41A5304	1
USB FULL--Greek/US (models 91G 91M 91A 91Q 91K)	41A5305	1
USB FULL--Hebrew (models 91G 91M 91A 91Q 91K)	41A5306	1
USB FULL--Hungarian (models 91G 91M 91A 91Q 91K)	41A5307	1

7569 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--Iceland (models 91G 91M 91A 91Q 91K)	41A5308	1
USB FULL--Italy (models 91G 91M 91A 91Q 91K)	41A5309	1
USB FULL--Japanese (models 91G 91M 91A 91Q 91K)	41A5310	1
USB FULL--Korean (models 91G 91M 91A 91Q 91K)	41A5311	1
USB FULL--LA Spanish (models 91G 91M 91A 91Q 91K)	41A5312	1
USB FULL--Norwegian (models 91G 91M 91A 91Q 91K)	41A5313	1
USB FULL--Polish (models 91G 91M 91A 91Q 91K)	41A5314	1
USB FULL--Portuguese (models 91G 91M 91A 91Q 91K)	41A5315	1
USB FULL--Romanian (models 91G 91M 91A 91Q 91K)	41A5317	1
USB FULL--Romanian (models 91G 91M 91A 91Q 91K)	41A5316	1
USB FULL--Russian/Cyrillic (models 91G 91M 91A 91Q 91K)	41A5318	1
USB FULL--Serbian/Cyrillic (models 91G 91M 91A 91Q 91K)	41A5319	1
USB FULL--Slovak (models 91G 91M 91A 91Q 91K)	41A5320	1
USB FULL--Spanish (models 91G 91M 91A 91Q 91K)	41A5321	1
USB FULL--Swedish/Finnish (models 91G 91M 91A 91Q 91K)	41A5322	1
USB FULL--Swiss French/German (models 91G 91M 91A 91Q 91K)	41A5323	1
USB FULL--Thailand (models 91G 91M 91A 91Q 91K)	41A5324	1
USB FULL--Turkish (models 91G 91M 91A 91Q 91K)	41A5325	1
USB FULL--Turkish (models 91G 91M 91A 91Q 91K)	41A5326	1
USB FULL --UK English (models 91G 91M 91A 91Q 91K)	41A5327	1
USB FULL--US Euro (models 91G 91M 91A 91Q 91K)	41A5328	1
USB FULL--Slovenian (models 91G 91M 91A 91Q 91K)	41A5329	1
USB FULL--Lithuanian (models 91G 91M 91A 91Q 91K)	45J4896	1
USB FULL--Estonia (models 91G 91M 91A 91Q 91K)	51J0059	1

7569 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
US English (models 91G 91M 91A 91Q 91K)	41R0038	1
Arabic (models 91G 91M 91A 91Q 91K)	41R0039	1
Arabic/French (models 91G 91M 91A 91Q 91K)	41R0040	1
Belgium French (models 91G 91M 91A 91Q 91K)	41R0041	1
Belgium English (models 91G 91M 91A 91Q 91K)	41R0042	1
Brazilian Portuguese (models 91G 91M 91A 91Q 91K)	41R0043	1
Bulgarian (models 91G 91M 91A 91Q 91K)	41R0044	1
Chinese/US (models 91G 91M 91A 91Q 91K)	41R0045	1
Czech (ABB) (models 91G 91M 91A 91Q 91K)	41R0046	1
Danish (models 91G 91M 91A 91Q 91K)	41R0047	1
Dutch (models 91G 91M 91A 91Q 91K)	41R0048	1
French (models 91G 91M 91A 91Q 91K)	41R0049	1
French Canadian (models 91G 91M 91A 91Q 91K)	41R0050	1
French Canadian (models 91G 91M 91A 91Q 91K)	41R0051	1
German (models 91G 91M 91A 91Q 91K)	41R0052	1

7569 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
Greek (models 91G 91M 91A 91Q 91K)	41R0053	1
Greek/US (models 91G 91M 91A 91Q 91K)	41R0054	1
Hebrew (models 91G 91M 91A 91Q 91K)	41R0055	1
Hungarian (models 91G 91M 91A 91Q 91K)	41R0056	1
Iceland (models 91G 91M 91A 91Q 91K)	41R0057	1
Italian (models 91G 91M 91A 91Q 91K)	41R0058	1
Japanese (models 91G 91M 91A 91Q 91K)	41R0059	1
Korean (models 91G 91M 91A 91Q 91K)	41R0060	1
LA Spanish (models 91G 91M 91A 91Q 91K)	41R0061	1
Norwegian (models 91G 91M 91A 91Q 91K)	41R0062	1
Polish (models 91G 91M 91A 91Q 91K)	41R0063	1
Portuguese (models 91G 91M 91A 91Q 91K)	41R0064	1
Romanian (models 91G 91M 91A 91Q 91K)	41R0065	1
Romanian (models 91G 91M 91A 91Q 91K)	41R0066	1
Russian/Cyrillic (models 91G 91M 91A 91Q 91K)	41R0067	1
Serbian/Cyrillic (models 91G 91M 91A 91Q 91K)	41R0068	1
Slovak (models 91G 91M 91A 91Q 91K)	41R0069	1
Spanish (models 91G 91M 91A 91Q 91K)	41R0070	1
Swedish/Finnish (models 91G 91M 91A 91Q 91K)	41R0071	1
Swiss French/German (models 91G 91M 91A 91Q 91K)	41R0072	1
Thailand (models 91G 91M 91A 91Q 91K)	41R0073	1
Turkish (models 91G 91M 91A 91Q 91K)	41R0074	1
Turkish (models 91G 91M 91A 91Q 91K)	41R0075	1
UK English (models 91G 91M 91A 91Q 91K)	41R0076	1
US Euro (models 91G 91M 91A 91Q 91K)	41R0077	1
Slovenian (models 91G 91M 91A 91Q 91K)	41R0078	1

7569 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--US English (models 91G 91M 91A 91Q 91K)	41A5039	1
PS/2 Full--Arabic (models 91G 91M 91A 91Q 91K)	41A5040	1
PS/2 Full--Arabic (New) (models 91G 91M 91A 91Q 91K)	45J4880	1
PS/2 Full--Arabic/French (models 91G 91M 91A 91Q 91K)	41A5041	1
PS/2 Full--Belgium French (models 91G 91M 91A 91Q 91K)	41A5042	1
PS/2 Full--Belgium English (models 91G 91M 91A 91Q 91K)	41A5043	1
PS/2 Full--Brazilian Portuguese (models 91G 91M 91A 91Q 91K)	41A5044	1
PS/2 Full--Bulgarian (models 91G 91M 91A 91Q 91K)	41A5045	1
PS/2 Full--Chinese/US (models 91G 91M 91A 91Q 91K)	41A5046	1
PS/2 Full--Czech (ABB) (models 91G 91M 91A 91Q 91K)	41A5047	1
PS/2 Full--Danish (models 91G 91M 91A 91Q 91K)	41A5048	1
PS/2 Full--Dutch (models 91G 91M 91A 91Q 91K)	41A5049	1
PS/2 Full--French (models 91G 91M 91A 91Q 91K)	41A5050	1

7569 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--French Canadian (models 91G 91M 91A 91Q 91K)	41A5051	1
PS/2 Full--French Canadian (models 91G 91M 91A 91Q 91K)	41A5052	1
PS/2 Full--German (models 91G 91M 91A 91Q 91K)	41A5053	1
PS/2 Full--Greek (models 91G 91M 91A 91Q 91K)	41A5054	1
PS/2 Full--Greek/US (models 91G 91M 91A 91Q 91K)	41A5080	1
PS/2 Full--Hebrew (models 91G 91M 91A 91Q 91K)	41A5055	1
PS/2 Full--Hungarian (models 91G 91M 91A 91Q 91K)	41A5056	1
PS/2 Full--Iceland (models 91G 91M 91A 91Q 91K)	41A5057	1
PS/2 Full--Italian (models 91G 91M 91A 91Q 91K)	41A5058	1
PS/2 Full--Japanese (models 91G 91M 91A 91Q 91K)	41A5059	1
PS/2 Full--Korean (models 91G 91M 91A 91Q 91K)	41A5060	1
PS/2 Full--LA Spanish (models 91G 91M 91A 91Q 91K)	41A5061	1
PS/2 Full--Norwegian (models 91G 91M 91A 91Q 91K)	41A5062	1
PS/2 Full--Polish (models 91G 91M 91A 91Q 91K)	41A5063	1
PS/2 Full--Portuguese (models 91G 91M 91A 91Q 91K)	41A5064	1
PS/2 Full--Romanian (models 91G 91M 91A 91Q 91K)	41A5065	1
PS/2 Full--Russian/Cyrillic (models 91G 91M 91A 91Q 91K)	41A5066	1
PS/2 Full--Serbian/Cyrillic (models 91G 91M 91A 91Q 91K)	41A5067	1
PS/2 Full--Slovak (models 91G 91M 91A 91Q 91K)	41A5068	1
PS/2 Full--Spanish (models 91G 91M 91A 91Q 91K)	41A5069	1
PS/2 Full--Swedish/Finnish (models 91G 91M 91A 91Q 91K)	41A5070	1
PS/2 Full--Swiss French/German (models 91G 91M 91A 91Q 91K)	41A5071	1
PS/2 Full--Thailand (models 91G 91M 91A 91Q 91K)	41A5072	1
PS/2 Full--Turkish (models 91G 91M 91A 91Q 91K)	41A5073	1
PS/2 Full--Turkish (models 91G 91M 91A 91Q 91K)	41A5074	1
PS/2 Full--UK English (models 91G 91M 91A 91Q 91K)	41A5075	1
PS/2 Full--US Euro (models 91G 91M 91A 91Q 91K)	41A5076	1
PS/2 Full--Slovenian (models 91G 91M 91A 91Q 91K)	41A5077	1

7569 Mice	FRU#	CRU
Optical Wheel Mouse OPT (400DPI, USB) (models 91G 91M 91A 91Q 91K)	41U3013	1
Optical Wheel Mouse OPT (400DPI, USB) (models 91G 91M 91A 91Q 91K)	41U3030	1
PS/2 Three button ball mouse scrollpoint (41R0017) (models 91G 91M 91A 91Q 91K)	41R0018	1

7569 Adapters and miscellaneous FRUs	FRU#	CRU
Internal 25 in 1 USB Memory Card Reader (models 91G 91M 91A 91Q 91K)	45R8139	1
IEEE 1394 Firewire Adapter ATX (models 91G 91M 91A 91Q 91K)	41D2781	1
Speaker power brick - US, Canada, LA low voltage, ASEAN (models 91G 91M 91A 91Q 91K)	89P8571	1
Speaker power brick - LA high voltage (non-APU) (models 91G 91M 91A 91Q 91K)	89P8575	1

7569 Adapters and miscellaneous FRUs	FRU#	CRU
Speaker power brick - Simplified Chinese, Thailand EMEA (models 91G 91M 91A 91Q 91K)	89P8581	1
Speaker power brick - Japanese (models 91G 91M 91A 91Q 91K)	89P8577	1
Speaker power brick - Brazil (models 91G 91M 91A 91Q 91K)	89P8583	1
Speaker power brick - Argentina (models 91G 91M 91A 91Q 91K)	41A4901	1
Speaker power brick - ANZ (models 91G 91M 91A 91Q 91K)	89P8579	1
Speaker power brick - Korea (models 91G 91M 91A 91Q 91K)	41A4903	1
Speaker power brick - Hong Kong, EMEA, Ireland (models 91G 91M 91A 91Q 91K)	89P8573	1
Speaker power brick -Taiwan-Traditional Chinese (models 91G 91M 91A 91Q 91K)	41A4905	1
Speaker power brick - India, South Africa (models 91G 91M 91A 91Q 91K)	89P8585	1
2-pc external speaker--primary (models 91G 91M 91A 91Q 91K)	41A5331	1
2-pc external speaker-secondary (models 91G 91M 91A 91Q 91K)	41A5334	1
DVI-I(M)-VGA(F) cord (models 91G 91M 91A 91Q 91K)	41R3342	1
Geforce 9500GT GDDR3 512MB - DVI+HDMI+DP (models 91G 91M 91A 91Q 91K)	46R1524	1
ATI HD3470 GDDR3 256MB - VGA+DP (models 91G 91M 91A 91Q 91K)	46R1521	1
ADD2 DVI-D Adapter, (HDCP) DVD-D connection Adapter Low Profile (Silicon Image) (models 91G 91M 91A 91Q 91K)	43C0258	1
DisplayPort to DVI-D Dongle (models 91G 91M 91A 91Q 91K)	43N9160	1
DisplayPort to VGA Dongle (models 91G 91M 91A 91Q 91K)	45J9524	1
Modem phone cable (models 91G 91M 91A 91Q 91K)	39K5120	1
LI300mm Rear USB 2Ports II HP® (models 91G 91M 91A 91Q 91K)	42Y8005	2
LI350mm Rear Com2 cable II mini® (models 91G 91M 91A 91Q 91K)	41R8548	2
NVIDIA G100 DDR2 256MB ATX - DVI-I+VGA (models 91G 91M 91A 91Q 91K)	53Y9249	1
Soft Modem V.90/V.44 ATX (models 91G 91M 91A 91Q 91K)	46R4220	1

7569 Power Cords (Primary)	FRU #	CRU
Power cord - US (models 91G 91M 91A 91Q 91K)	41R3184	1
Power cord - China (models 91G 91M 91A 91Q 91K)	41R3256	1
Power Cord - Japanese and Japanese English (models 91G 91M 91A 91Q 91K)	41R3248	1
Power cord - Brazil (models 91G 91M 91A 91Q 91K)	41R3270	1
Power cord - LA High Volt (APU) (models 91G 91M 91A 91Q 91K)	41R3176	1
Power cord - Australia / New Zealand (models 91G 91M 91A 91Q 91K)	41R3196	1
Power cord - Korea (models 91G 91M 91A 91Q 91K)	41R3260	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91G 91M 91A 91Q 91K)	41R3224	1
Power cord - Taiwan (models 91G 91M 91A 91Q 91K)	41R3278	1
Power cord - Italy (models 91G 91M 91A 91Q 91K)	41R3232	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91G 91M 91A 91Q 91K)	41R3208	1
Power cord - Denmark (models 91G 91M 91A 91Q 91K)	41R3212	1
Power cord - Switzerland (models 91G 91M 91A 91Q 91K)	41R3228	1

7569 Power Cords (Primary)	FRU #	CRU
Power cord - Israel (models 91G 91M 91A 91Q 91K)	41R3236	1
Power cord - South Africa (models 91G 91M 91A 91Q 91K)	41R3220	1
Power cord - India (models 91G 91M 91A 91Q 91K)	41R3341	1
Power cord - Thailand (models 91G 91M 91A 91Q 91K)	43N9029	1

7569 Power Cords (Secondary)	FRU#	CRU
Power cord - US (models 91G 91M 91A 91Q 91K)	41R3185	1
Power cord - China (models 91G 91M 91A 91Q 91K)	41R3257	1
Power Cord - Japanese and Japanese English (models 91G 91M 91A 91Q 91K)	41R3249	1
Power cord - Brazil (models 91G 91M 91A 91Q 91K)	41R3271	1
Power cord - LA High Volt (APU) (models 91G 91M 91A 91Q 91K)	41R3177	1
Power cord - Australia / New Zealand (models 91G 91M 91A 91Q 91K)	41R3197	1
Power cord - Korea (models 91G 91M 91A 91Q 91K)	41R3261	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91G 91M 91A 91Q 91K)	41R3225	1
Power cord - Taiwan (models 91G 91M 91A 91Q 91K)	41R3279	1
Power cord - Italy (models 91G 91M 91A 91Q 91K)	41R3233	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91G 91M 91A 91Q 91K)	41R3209	1
Power cord - Denmark (models 91G 91M 91A 91Q 91K)	41R3213	1
Power cord - Switzerland (models 91G 91M 91A 91Q 91K)	41R3229	1
Power cord - Israel (models 91G 91M 91A 91Q 91K)	41R3237	1
Power cord - South Africa (models 91G 91M 91A 91Q 91K)	41R3221	1
Power cord - India (models 91G 91M 91A 91Q 91K)	41R3175	1
Power cord - Thailand (models 91G 91M 91A 91Q 91K)	43N9030	1
Power cord - Y cable for Brazil (models 91G 91M 91A 91Q 91K)	43N9044	1

7569 Windows XP Home Recovery CDs	FRU#	CRU
US English/UK/Asia Pacific (models 91G 91M 91A 91Q 91K)	TBD	1
French/French Canadian (models 91G 91M 91A 91Q 91K)	TBD	1
Greek (models 91G 91M 91A 91Q 91K)	TBD	1
Italy (models 91G 91M 91A 91Q 91K)	TBD	1
Brazilian (models 91G 91M 91A 91Q 91K)	TBD	1
Spanish/LA (models 91G 91M 91A 91Q 91K)	TBD	1
Danish (models 91G 91M 91A 91Q 91K)	TBD	1
Dutch (models 91G 91M 91A 91Q 91K)	TBD	1
Arabic (models 91G 91M 91A 91Q 91K)	TBD	1
Swedish (models 91G 91M 91A 91Q 91K)	TBD	1
Hebrew (models 91G 91M 91A 91Q 91K)	TBD	1
Finnish (models 91G 91M 91A 91Q 91K)	TBD	1
Norwegian (models 91G 91M 91A 91Q 91K)	TBD	1

7569 Windows XP Home Recovery CDs	FRU#	CRU
Polish (models 91G 91M 91A 91Q 91K)	TBD	1
Portuguese (models 91G 91M 91A 91Q 91K)	TBD	1
Russian (models 91G 91M 91A 91Q 91K)	TBD	1
Russian English (models 91G 91M 91A 91Q 91K)	TBD	1
Hungarian (models 91G 91M 91A 91Q 91K)	TBD	1
Czech (models 91G 91M 91A 91Q 91K)	TBD	1
Turkish native (models 91G 91M 91A 91Q 91K)	TBD	1
Greek (models 91G 91M 91A 91Q 91K)	TBD	1
Japanese (models 91G 91M 91A 91Q 91K)	TBD	1
Simplified Chinese (models 91G 91M 91A 91Q 91K)	TBD	1
Taiwan-TC (models 91G 91M 91A 91Q 91K)	TBD	1
Hong Kong-TC (models 91G 91M 91A 91Q 91K)	TBD	1
Korean (models 91G 91M 91A 91Q 91K)	TBD	1

7569 Windows XP Pro Recovery CDs	FRU#	CRU
US English (models 91G 91M 91A 91Q 91K)	64Y5685	1
French (models 91G 91M 91A 91Q 91K)	64Y5686	1
German (models 91G 91M 91A 91Q 91K)	64Y5687	1
Italian (models 91G 91M 91A 91Q 91K)	64Y5690	1
Brazilian Portuguese (models 91G 91M 91A 91Q 91K)	64Y5689	1
Spanish (models 91G 91M 91A 91Q 91K)	64Y5688	1
Danish (models 91G 91M 91A 91Q 91K)	64Y5694	1
Dutch (models 91G 91M 91A 91Q 91K)	64Y5695	1
Arabic (models 91G 91M 91A 91Q 91K)	64Y5699	1
Swedish (models 91G 91M 91A 91Q 91K)	64Y5693	1
Hebrew (models 91G 91M 91A 91Q 91K)	63Y8286	1
Finnish (models 91G 91M 91A 91Q 91K)	64Y5697	1
Norwegian (models 91G 91M 91A 91Q 91K)	64Y5692	1
Polish (models 91G 91M 91A 91Q 91K)	64Y5698	1
Portuguese (models 91G 91M 91A 91Q 91K)	63Y8294	1
Russian (models 91G 91M 91A 91Q 91K)	64Y5700	1
Russian English (models 91G 91M 91A 91Q 91K)	63Y8290	1
Hungarian (models 91G 91M 91A 91Q 91K)	63Y8292	1
Czech (models 91G 91M 91A 91Q 91K)	64Y5696	1
Turkish (models 91G 91M 91A 91Q 91K)	64Y5701	1
Greek (models 91G 91M 91A 91Q 91K)	64Y5702	1
Slovenian (models 91G 91M 91A 91Q 91K)	63Y8295	1
Japanese (models 91G 91M 91A 91Q 91K)	64Y6068	1
Simplified Chinese (models 91G 91M 91A 91Q 91K)	64Y5703	1
Taiwan-TC (models 91G 91M 91A 91Q 91K)	64Y5704	1
Hong Kong-TC (models 91G 91M 91A 91Q 91K)	64Y5705	1

7569 Windows XP Pro Recovery CDs	FRU#	CRU
Korea (models 91G 91M 91A 91Q 91K)	63Y8299	1
MUI Nordics (EN-DK-FI-NO-SV) (models 91G 91M 91A 91Q 91K)	64Y4801	1
MUI Switz (US EN-FR -GR-IT) (models 91G 91M 91A 91Q 91K)	64Y4802	1
MUI Bel-Lux (EN-FR-GR-NL) (models 91G 91M 91A 91Q 91K)	64Y4803	1

7569 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
US English (models 91G 91M 91A 91Q 91K)	64Y2771	1
French (models 91G 91M 91A 91Q 91K)	64Y2773	1
German (models 91G 91M 91A 91Q 91K)	64Y2774	1
Spanish (models 91G 91M 91A 91Q 91K)	64Y2775	1
Brazilian (models 91G 91M 91A 91Q 91K)	64Y2776	1
Italian (models 91G 91M 91A 91Q 91K)	64Y2777	1
Japanese (models 91G 91M 91A 91Q 91K)	64Y6073	1
Dutch (models 91G 91M 91A 91Q 91K)	64Y2791	1
Czech (models 91G 91M 91A 91Q 91K)	64Y2778	1
Polish (models 91G 91M 91A 91Q 91K)	64Y2779	1
Russian (models 91G 91M 91A 91Q 91K)	64Y2780	1
Turkish (models 91G 91M 91A 91Q 91K)	64Y2781	1
Hungarian (models 91G 91M 91A 91Q 91K)	64Y2782	1
Greek (models 91G 91M 91A 91Q 91K)	64Y2783	1
Portuguese (models 91G 91M 91A 91Q 91K)	64Y2794	1
Simplified Chinese (models 91G 91M 91A 91Q 91K)	64Y2785	1
Hong Kong (models 91G 91M 91A 91Q 91K)	64Y2787	1
Traditional Chinese (models 91G 91M 91A 91Q 91K)	64Y2786	1
Korean (models 91G 91M 91A 91Q 91K)	64Y2788	1
Slovenian (models 91G 91M 91A 91Q 91K)	64Y2789	1
Russian English (models 91G 91M 91A 91Q 91K)	64Y2772	1
Hebrew (models 91G 91M 91A 91Q 91K)	64Y2792	1
Arabic Localized (models 91G 91M 91A 91Q 91K)	64Y2790	1
Slovakian (models 91G 91M 91A 91Q 91K)	64Y2796	1
Romanian (models 91G 91M 91A 91Q 91K)	64Y2793	1
Serbian-Latin (models 91G 91M 91A 91Q 91K)	64Y2795	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G 91M 91A 91Q 91K)	64Y2797	1
C&L 2 Switzerland (EN FR GR IT) (models 91G 91M 91A 91Q 91K)	64Y2798	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G 91M 91A 91Q 91K)	64Y2799	1

7569 Vista Business 32 Recovery DVDs	FRU#	CRU
US English (models 91G 91M 91A 91Q 91K)	64Y2684	1
French (models 91G 91M 91A 91Q 91K)	64Y2686	1
German (models 91G 91M 91A 91Q 91K)	64Y2687	1
Spanish (models 91G 91M 91A 91Q 91K)	64Y2688	1

7569 Vista Business 32 Recovery DVDs	FRU#	CRU
Brazilian Portuguese (models 91G 91M 91A 91Q 91K)	64Y2689	1
Italian (models 91G 91M 91A 91Q 91K)	64Y2690	1
Japanese (models 91G 91M 91A 91Q 91K)	64Y6071	1
Dutch (models 91G 91M 91A 91Q 91K)	64Y2704	1
Czech (models 91G 91M 91A 91Q 91K)	64Y2691	1
Polish (models 91G 91M 91A 91Q 91K)	64Y2692	1
Russian (models 91G 91M 91A 91Q 91K)	64Y2693	1
Turkish (models 91G 91M 91A 91Q 91K)	64Y2694	1
Hungarian (models 91G 91M 91A 91Q 91K)	64Y2695	1
Greek (models 91G 91M 91A 91Q 91K)	64Y2696	1
Portuguese (models 91G 91M 91A 91Q 91K)	64Y2707	1
Simplified Chinese (models 91G 91M 91A 91Q 91K)	64Y2698	1
Traditional Chinese (models 91G 91M 91A 91Q 91K)	64Y2699	1
Hong Kong (models 91G 91M 91A 91Q 91K)	64Y2700	1
Korean (models 91G 91M 91A 91Q 91K)	64Y2701	1
Slovenian (models 91G 91M 91A 91Q 91K)	64Y2702	1
Russian English (models 91G 91M 91A 91Q 91K)	64Y2685	1
Romanian (models 91G 91M 91A 91Q 91K)	64Y2706	1
Serbian-Latin (models 91G 91M 91A 91Q 91K)	64Y2708	1
Slovakian (models 91G 91M 91A 91Q 91K)	64Y2709	1
Arabic Localized (models 91G 91M 91A 91Q 91K)	64Y2703	1
Hebrew (models 91G 91M 91A 91Q 91K)	64Y2705	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G 91M 91A 91Q 91K)	64Y2710	1
C&L 2 Switzerland (EN FR GR IT) (models 91G 91M 91A 91Q 91K)	64Y2711	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G 91M 91A 91Q 91K)	64Y2712	1

7569 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
US English (models 91G 91M 91A 91Q 91K)	64Y2800	1
French (models 91G 91M 91A 91Q 91K)	64Y2801	1
German (models 91G 91M 91A 91Q 91K)	64Y2802	1
Spanish (models 91G 91M 91A 91Q 91K)	64Y2803	1
Italian (models 91G 91M 91A 91Q 91K)	64Y2805	1
Japanese (models 91G 91M 91A 91Q 91K)	64Y6074	1
Hong Kong (models 91G 91M 91A 91Q 91K)	64Y2807	1
Korean (models 91G 91M 91A 91Q 91K)	64Y2804	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G 91M 91A 91Q 91K)	64Y2808	1
C&L 2 Switzerland (EN FR GR IT) (models 91G 91M 91A 91Q 91K)	64Y2809	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G 91M 91A 91Q 91K)	64Y2810	1

7569 Vista Business 64 Recovery DVDs	FRU#	CRU
US English (models 91G 91M 91A 91Q 91K)	64Y2820	1

7569 Vista Business 64 Recovery DVDs	FRU#	CRU
French (models 91G 91M 91A 91Q 91K)	64Y2821	1
German (models 91G 91M 91A 91Q 91K)	64Y2822	1
Japanese (models 91G 91M 91A 91Q 91K)	64Y6076	1
Simplified Chinese (models 91G 91M 91A 91Q 91K)	64Y2824	1

7569 Vista Ultimate 32 Recovery DVDs	FRU#	CRU
US English (models 91G 91M 91A 91Q 91K)	64Y2811	1
Japanese (models 91G 91M 91A 91Q 91K)	64Y6075	1
French (models 91G 91M 91A 91Q 91K)	64Y2812	1
German (models 91G 91M 91A 91Q 91K)	64Y2813	1
Spanish (models 91G 91M 91A 91Q 91K)	64Y2814	1
Italian (models 91G 91M 91A 91Q 91K)	64Y2815	1
Hong Kong - Traditional Chinese (models 91G 91M 91A 91Q 91K)	64Y2817	1
Arabic localized (models 91G 91M 91A 91Q 91K)	64Y2818	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G 91M 91A 91Q 91K)	64Y2819	1

7569 Vista Starter 32 Recovery DVDs	FRU#	CRU
English (models 91G 91M 91A 91Q 91K)	TBD	1

Machine Type 7610
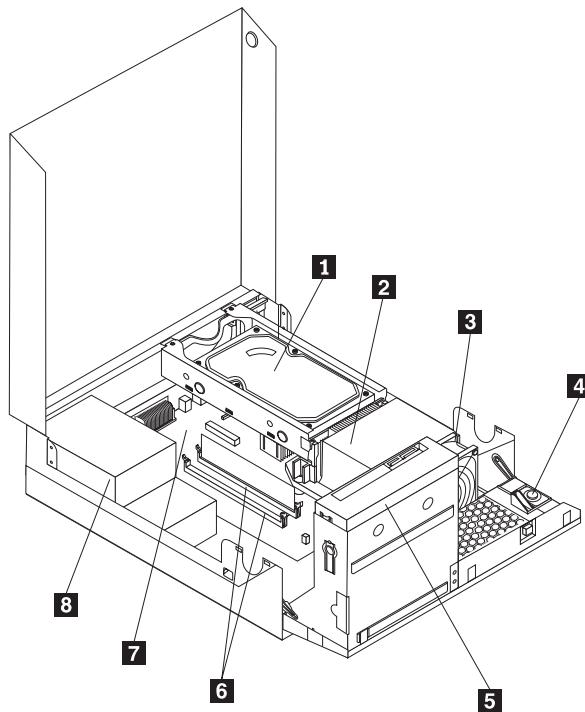
Item#	7610 FRUs	FRU#	CRU
1	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB (models 91G 91M 91A 91Q 91K)	40Y9035	1
1	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB (models 91G 91M 91A 91Q 91K)	40Y9036	1
1	Hard disk drive, SATA 320GB 7200rpm SATA/8MB (models 91G 91M 91A 91Q 91K)	87H4891	1
1	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB (models 91G 91M 91A 91Q 91K)	41X5582	1
1	Hard disk drive, 1TB 7200rpm SATA (models 91G 91M 91A 91Q 91K)	45C5973	1
1	Hard disk drive, 150G 10K rpm, SATA (models 91G 91M 91A 91Q 91K)	46R8893	1
2	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91G 91M 91A 91Q 91K)	53Y6653	N
2	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91G 91M 91A 91Q 91K)	53Y6654	N
2	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST, EM64T, EDB) 65W (models 91G 91M 91A 91Q 91K)	53Y9049	N
2	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST, EM64T, EDB) M0 65W (models 91G 91M 91A 91Q 91K)	53Y9051	N
2	Microprocessor, Q8300 Yorkfield 2.5GHZ, 1333MHz, 4M R-0 (ViiV, EIST, EM64T, EDB) 95W (models 91G 91M 91A 91Q 91K)	53Y6656	N
2	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W (models 91G 91M 91A 91Q 91K)	46R8640	N
2	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W (models 91G 91M 91A 91Q 91K)	45C7735	N

Item#	7610 FRUs	FRU#	CRU
2	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W (models 91G 91M 91A 91Q 91K)	45C7736	N
2	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W (models 91G 91M 91A 91Q 91K)	45C7737	N
2	Microprocessor, E8190 2.66GHz 1333MHz FSB 6M C-0 - NON VT/Vpro 65W (models 91G 91M 91A 91Q 91K)	45R2568	N
2	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W (models 91G 91M 91A 91Q 91K)	45R8337	N
2	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W (models 91G 91M 91A 91Q 91K)	46R1622	N
2	Microprocessor, E2180 Conroe-L 2.0GHz 800MHz FSB 1M (models 91G 91M 91A 91Q 91K)	45C1773	N
2	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M (models 91G 91M 91A 91Q 91K)	45C5349	N
2	Microprocessor, E2220 Conroe-L 2.4GHz 800MHz FSB 1M (models 91G 91M 91A 91Q 91K)	45C1774	N
2	Microprocessor, E5200 2.5G 800MHz 2M M-0 65W, 45nm (models 91G 91M 91A 91Q 91K)	46R9512	N
2	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W (models 91G 91M 91A 91Q 91K)	46R1655	N
2	Microprocessor, E1400 2.0GHz 800MHz FSB 512K - NPI M-0 65W (models 91G 91M 91A 91Q 91K)	45R8339	N
2	Microprocessor, E1200 1.6GHZ/800MHZ/512K M-0 65W (models 91G 91M 91A 91Q 91K)	45R8341	N
2	Microprocessor, Cel-430 Conroe-L 1.8GHz 800MHz FSB 512K (models 91G 91M 91A 91Q 91K)	43C1964	N
2	Microprocessor, Cel-440 Conroe-L 2.0GHz 800MHz FSB 512K (models 91G 91M 91A 91Q 91K)	43C1965	N
2	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W (models 91G 91M 91A 91Q 91K)	46R9514	N
2	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W (models 91G 91M 91A 91Q 91K)	46R8642	N
2	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W (models 91G 91M 91A 91Q 91K)	46R8644	N
2	Microprocessor, Q8200 2.33GHz 1333FSB 4M M-1 95W (models 91G 91M 91A 91Q 91K)	46R9516	N
2	Microprocessor, Q6700 2.66GHZ 1066FSB 8M G-0 Stepping Level, 95W (models 91G 91M 91A 91Q 91K)	43C6309	N
2	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W (models 91G 91M 91A 91Q 91K)	45C7739	N
2	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W (models 91G 91M 91A 91Q 91K)	45C7740	N
2	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W (models 91G 91M 91A 91Q 91K)	45C7741	N
2	Microprocessor, E5400 2.7G 800MHz-2MB 65W Non-vPro SKU (models 91G 91M 91A 91Q 91K)	64Y1075	N
3	95W heat sink kit with RM (all models)	41R6454	2
3	65W heat sink kit with RM (all models)	43N9349	2

Item#	7610 FRUs	FRU#	CRU
4	Internal speaker 254 mm - optional (all models)	39K5012	2
5	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista (models 91G 91M 91A 91Q 91K)	41N3325	1
5	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista (models 91G 91M 91A 91Q 91K)	43C1042	1
6	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM (models 91G 91M 91A 91Q 91K)	41X4255	1
6	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM (models 91G 91M 91A 91Q 91K)	41X4256	1
6	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM (models 91G 91M 91A 91Q 91K)	41X4257	1
6	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM (models 91G 91M 91A 91Q 91K)	41X1079	1
6	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G 91M 91A 91Q 91K)	41X1080	1
6	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G 91M 91A 91Q 91K)	41X1081	1
7	System board, Intel G41 BTX(GA) non-AMT (models 91G 91M 91A 91Q 91K)	46R8892	N
8	Power supply, 280W Active PFC power supply (Auto sensing) for 10L---Robust, ww, JP (models 91G 91M 91A 91Q 91K)	41A9701	N
8	Power supply, 280W 85+ power supply for 10L---Robust, ww, JP (models 91G 91M 91A 91Q 91K)	41A9742	N

The FRUs listed in the following tables are not illustrated.

7610 FRUs	FRU#	CRU
Battery 3V - Lithium (models 91G 91M 91A 91Q 91K)	45C1566	1
Cable - SATA 250 mm (RoHS) for 1st HDD (all models)	43N9012	2
Cable - SATA 600mm (RoHS) (all models)	45J9579	2
Cable - SATA 700 mm (RoHS) for ODD / Second HDD (all models)	43N9011	2
C2 Intrusion Switch 260 mm (all models)	43N9080	2
Rear IO shield BTX (all models)	41R6381	N
Temp Sense Cable (165 mm) (all models)	43N9079	2
Air Deflector, recycle resin (all models)	43N9610	2
HDD Tray ASM (all models)	43N9595	1
Front cage ASM (all models)	43N9596	N
Front cage ASM (all models)	43N9647	N
Cable, Front I_O cable_R (10L_U380_A550)_ESD (all models)	45J9509	2
Models with 3.5″ Convert 2.5″ for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9645	2
3.5″ Convert 2.5″ for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9593	2
Universal Adapter Bracket 5.25 to 3.5 607CT (all models)	43N9676	2
Top cover ASM (all models)	43N9594	1
Cable, LED/Switch cable_R (10L_220 mm_PCBA) (all models)	45J9515	2
NO ODD, EMI Shielding (all models)	43N9641	1

7610 FRUs	FRU#	CRU
Card reader bezel, 607CT (all models)	43N9642	1
Non-Card reader bezel, 607CT (all models)	43N9643	1
Vertical Stand (all models)	43N9644	1
Front bezel ASM (all models)	43N9677	1
Chassis (all models)	43N9649	N
Rubber foot for vertical (all models)	43N9727	1
Rubber foot for horizontal (all models)	43N9728	1
Thermal Grease (all models)	91P8835	N

7610 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--US English (models 91G 91M 91A 91Q 91K)	41A5289	1
USB FULL--Arabic (models 91G 91M 91A 91Q 91K)	41A5290	1
USB FULL--Arabic/French (models 91G 91M 91A 91Q 91K)	41A5291	1
USB FULL--Belgium French (models 91G 91M 91A 91Q 91K)	41A5292	1
USB FULL--Belgium English (models 91G 91M 91A 91Q 91K)	41A5293	1
USB FULL--Brazilian Portuguese (models 91G 91M 91A 91Q 91K)	41A5294	1
USB FULL--Bulgarian (models 91G 91M 91A 91Q 91K)	41A5295	1
USB FULL--Chinese/US (models 91G 91M 91A 91Q 91K)	41A5296	1
USB FULL--Czech (ABB) (models 91G 91M 91A 91Q 91K)	41A5297	1
USB FULL--Danish (models 91G 91M 91A 91Q 91K)	41A5298	1
USB FULL--Dutch (models 91G 91M 91A 91Q 91K)	41A5299	1
USB FULL--French (models 91G 91M 91A 91Q 91K)	41A5300	1
USB FULL--French Canadian (models 91G 91M 91A 91Q 91K)	41A5301	1
USB FULL--French Canadian (models 91G 91M 91A 91Q 91K)	41A5302	1
USB FULL--German (models 91G 91M 91A 91Q 91K)	41A5303	1
USB FULL--Greek (models 91G 91M 91A 91Q 91K)	41A5304	1
USB FULL--Greek/US (models 91G 91M 91A 91Q 91K)	41A5305	1
USB FULL--Hebrew (models 91G 91M 91A 91Q 91K)	41A5306	1
USB FULL--Hungarian (models 91G 91M 91A 91Q 91K)	41A5307	1
USB FULL--Iceland (models 91G 91M 91A 91Q 91K)	41A5308	1
USB FULL--Italy (models 91G 91M 91A 91Q 91K)	41A5309	1
USB FULL--Japanese (models 91G 91M 91A 91Q 91K)	41A5310	1
USB FULL--Korean (models 91G 91M 91A 91Q 91K)	41A5311	1
USB FULL--LA Spanish (models 91G 91M 91A 91Q 91K)	41A5312	1
USB FULL--Norwegian (models 91G 91M 91A 91Q 91K)	41A5313	1
USB FULL--Polish (models 91G 91M 91A 91Q 91K)	41A5314	1
USB FULL--Portuguese (models 91G 91M 91A 91Q 91K)	41A5315	1
USB FULL--Romanian (models 91G 91M 91A 91Q 91K)	41A5317	1
USB FULL--Romanian (models 91G 91M 91A 91Q 91K)	41A5316	1
USB FULL--Russian/Cyrillic (models 91G 91M 91A 91Q 91K)	41A5318	1
USB FULL--Serbian/Cyrillic (models 91G 91M 91A 91Q 91K)	41A5319	1

7610 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--Slovak (models 91G 91M 91A 91Q 91K)	41A5320	1
USB FULL--Spanish (models 91G 91M 91A 91Q 91K)	41A5321	1
USB FULL--Swedish/Finnish (models 91G 91M 91A 91Q 91K)	41A5322	1
USB FULL--Swiss French/German (models 91G 91M 91A 91Q 91K)	41A5323	1
USB FULL--Thailand (models 91G 91M 91A 91Q 91K)	41A5324	1
USB FULL--Turkish (models 91G 91M 91A 91Q 91K)	41A5325	1
USB FULL--Turkish (models 91G 91M 91A 91Q 91K)	41A5326	1
USB FULL --UK English (models 91G 91M 91A 91Q 91K)	41A5327	1
USB FULL--US Euro (models 91G 91M 91A 91Q 91K)	41A5328	1
USB FULL--Slovenian (models 91G 91M 91A 91Q 91K)	41A5329	1
USB FULL--Arabic (New) (models 91G 91M 91A 91Q 91K)	45J4880	1
USB FULL--Lithuanian (models 91G 91M 91A 91Q 91K)	45J4896	1
USB FULL--Estonia (models 91G 91M 91A 91Q 91K)	51J0059	1

7610 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
US English (models 91G 91M 91A 91Q 91K)	41R0038	1
Arabic (models 91G 91M 91A 91Q 91K)	41R0039	1
Arabic/French (models 91G 91M 91A 91Q 91K)	41R0040	1
Belgium French (models 91G 91M 91A 91Q 91K)	41R0041	1
Belgium English (models 91G 91M 91A 91Q 91K)	41R0042	1
Brazilian Portuguese (models 91G 91M 91A 91Q 91K)	41R0043	1
Bulgarian (models 91G 91M 91A 91Q 91K)	41R0044	1
Chinese/US (models 91G 91M 91A 91Q 91K)	41R0045	1
Czech (ABB) (models 91G 91M 91A 91Q 91K)	41R0046	1
Danish (models 91G 91M 91A 91Q 91K)	41R0047	1
Dutch (models 91G 91M 91A 91Q 91K)	41R0048	1
French (models 91G 91M 91A 91Q 91K)	41R0049	1
French Canadian (models 91G 91M 91A 91Q 91K)	41R0050	1
French Canadian (models 91G 91M 91A 91Q 91K)	41R0051	1
German (models 91G 91M 91A 91Q 91K)	41R0052	1
Greek (models 91G 91M 91A 91Q 91K)	41R0053	1
Greek/US (models 91G 91M 91A 91Q 91K)	41R0054	1
Hebrew (models 91G 91M 91A 91Q 91K)	41R0055	1
Hungarian (models 91G 91M 91A 91Q 91K)	41R0056	1
Iceland (models 91G 91M 91A 91Q 91K)	41R0057	1
Italian (models 91G 91M 91A 91Q 91K)	41R0058	1
Japanese (models 91G 91M 91A 91Q 91K)	41R0059	1
Korean (models 91G 91M 91A 91Q 91K)	41R0060	1
LA Spanish (models 91G 91M 91A 91Q 91K)	41R0061	1
Norwegian (models 91G 91M 91A 91Q 91K)	41R0062	1
Polish (models 91G 91M 91A 91Q 91K)	41R0063	1

7610 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
Portuguese (models 91G 91M 91A 91Q 91K)	41R0064	1
Romanian (models 91G 91M 91A 91Q 91K)	41R0065	1
Romanian (models 91G 91M 91A 91Q 91K)	41R0066	1
Russian/Cyrillic (models 91G 91M 91A 91Q 91K)	41R0067	1
Serbian/Cyrillic (models 91G 91M 91A 91Q 91K)	41R0068	1
Slovak (models 91G 91M 91A 91Q 91K)	41R0069	1
Spanish (models 91G 91M 91A 91Q 91K)	41R0070	1
Swedish/Finnish (models 91G 91M 91A 91Q 91K)	41R0071	1
Swiss French/German (models 91G 91M 91A 91Q 91K)	41R0072	1
Thailand (models 91G 91M 91A 91Q 91K)	41R0073	1
Turkish (models 91G 91M 91A 91Q 91K)	41R0074	1
Turkish (models 91G 91M 91A 91Q 91K)	41R0075	1
UK English (models 91G 91M 91A 91Q 91K)	41R0076	1
US Euro (models 91G 91M 91A 91Q 91K)	41R0077	1
Slovenian (models 91G 91M 91A 91Q 91K)	41R0078	1

7610 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--US English (models 91G 91M 91A 91Q 91K)	41A5039	1
PS/2 Full--Arabic (models 91G 91M 91A 91Q 91K)	41A5040	1
PS/2 Full--Arabic/French (models 91G 91M 91A 91Q 91K)	41A5041	1
PS/2 Full--Belgium French (models 91G 91M 91A 91Q 91K)	41A5042	1
PS/2 Full--Belgium English (models 91G 91M 91A 91Q 91K)	41A5043	1
PS/2 Full--Brazilian Portuguese (models 91G 91M 91A 91Q 91K)	41A5044	1
PS/2 Full--Bulgarian (models 91G 91M 91A 91Q 91K)	41A5045	1
PS/2 Full--Chinese/US (models 91G 91M 91A 91Q 91K)	41A5046	1
PS/2 Full--Czech (ABB) (models 91G 91M 91A 91Q 91K)	41A5047	1
PS/2 Full--Danish (models 91G 91M 91A 91Q 91K)	41A5048	1
PS/2 Full--Dutch (models 91G 91M 91A 91Q 91K)	41A5049	1
PS/2 Full--French (models 91G 91M 91A 91Q 91K)	41A5050	1
PS/2 Full--French Canadian (models 91G 91M 91A 91Q 91K)	41A5051	1
PS/2 Full--French Canadian (models 91G 91M 91A 91Q 91K)	41A5052	1
PS/2 Full--German (models 91G 91M 91A 91Q 91K)	41A5053	1
PS/2 Full--Greek (models 91G 91M 91A 91Q 91K)	41A5054	1
PS/2 Full--Greek/US (models 91G 91M 91A 91Q 91K)	41A5080	1
PS/2 Full--Hebrew (models 91G 91M 91A 91Q 91K)	41A5055	1
PS/2 Full--Hungarian (models 91G 91M 91A 91Q 91K)	41A5056	1
PS/2 Full--Iceland (models 91G 91M 91A 91Q 91K)	41A5057	1
PS/2 Full--Italian (models 91G 91M 91A 91Q 91K)	41A5058	1
PS/2 Full--Japanese (models 91G 91M 91A 91Q 91K)	41A5059	1
PS/2 Full--Korean (models 91G 91M 91A 91Q 91K)	41A5060	1
PS/2 Full--LA Spanish (models 91G 91M 91A 91Q 91K)	41A5061	1

7610 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--Norwegian (models 91G 91M 91A 91Q 91K)	41A5062	1
PS/2 Full--Polish (models 91G 91M 91A 91Q 91K)	41A5063	1
PS/2 Full--Portuguese (models 91G 91M 91A 91Q 91K)	41A5064	1
PS/2 Full--Romanian (models 91G 91M 91A 91Q 91K)	41A5065	1
PS/2 Full--Russian/Cyrillic (models 91G 91M 91A 91Q 91K)	41A5066	1
PS/2 Full--Serbian/Cyrillic (models 91G 91M 91A 91Q 91K)	41A5067	1
PS/2 Full--Slovak (models 91G 91M 91A 91Q 91K)	41A5068	1
PS/2 Full--Spanish (models 91G 91M 91A 91Q 91K)	41A5069	1
PS/2 Full--Swedish/Finnish (models 91G 91M 91A 91Q 91K)	41A5070	1
PS/2 Full--Swiss French/German (models 91G 91M 91A 91Q 91K)	41A5071	1
PS/2 Full--Thailand (models 91G 91M 91A 91Q 91K)	41A5072	1
PS/2 Full--Turkish (models 91G 91M 91A 91Q 91K)	41A5073	1
PS/2 Full--Turkish (models 91G 91M 91A 91Q 91K)	41A5074	1
PS/2 Full--UK English (models 91G 91M 91A 91Q 91K)	41A5075	1
PS/2 Full--US Euro (models 91G 91M 91A 91Q 91K)	41A5076	1
PS/2 Full--Slovenian (models 91G 91M 91A 91Q 91K)	41A5077	1

7610 Mice	FRU#	CRU
Optical Wheel Mouse OPT (400DPI, USB) (models 91G 91M 91A 91Q 91K)	41U3013	1
Optical Wheel Mouse OPT (400DPI, USB) (models 91G 91M 91A 91Q 91K)	41U3030	1
PS/2 Three button ball mouse scrollpoint (41R0017) (models 91G 91M 91A 91Q 91K)	41R0018	1

7610 Adapters and miscellaneous FRUs	FRU#	CRU
Internal 25 in 1 USB Memory Card Reader Slim (models 91G 91M 91A 91Q 91K)	46R1529	1
IEEE 1394 Firewire Adapter (models 91G 91M 91A 91Q 91K)	41D2781	1
Soft Modem V.90/V.44 (models 91G 91M 91A 91Q 91K)	46R4220	1
Speaker power brick - US, Canada, LA low voltage, ASEAN (models 91G 91M 91A 91Q 91K)	89P8571	1
Speaker power brick - LA high voltage (non-APU) (models 91G 91M 91A 91Q 91K)	89P8575	1
Speaker power brick - Simplified Chinese, Thailand EMEA (models 91G 91M 91A 91Q 91K)	89P8581	1
Speaker power brick - Japanese (models 91G 91M 91A 91Q 91K)	89P8577	1
Speaker power brick - Brazil (models 91G 91M 91A 91Q 91K)	89P8583	1
Speaker power brick - Argentina (models 91G 91M 91A 91Q 91K)	41A4901	1
Speaker power brick - ANZ (models 91G 91M 91A 91Q 91K)	89P8579	1
Speaker power brick - Korea (models 91G 91M 91A 91Q 91K)	41A4903	1
Speaker power brick - Hong Kong, EMEA, Ireland (models 91G 91M 91A 91Q 91K)	89P8573	1
Speaker power brick -Taiwan-Traditional Chinese (models 91G 91M 91A 91Q 91K)	41A4905	1
Speaker power brick - India, South Africa (models 91G 91M 91A 91Q 91K)	89P8585	1
2-pc external speaker--primary (models 91G 91M 91A 91Q 91K)	41A5331	1
2-pc external speaker-secondary (models 91G 91M 91A 91Q 91K)	41A5334	1

7610 Adapters and miscellaneous FRUs	FRU#	CRU
DVI-I(M)-VGA(F) cord (models 91G 91M 91A 91Q 91K)	41R3342	1
ATI HD3470 GDDR3 256MB - VGA+DP (models 91G 91M 91A 91Q 91K)	46R1521	1
ADD2 DVI-D Adapter, (HDCP) DVD-D connection Adapter Low Profile (Silicon Image) (models 91G 91M 91A 91Q 91K)	43C0258	1
DisplayPort to DVI-D Dongle (models 91G 91M 91A 91Q 91K)	43N9160	1
DisplayPort to VGA Dongle (models 91G 91M 91A 91Q 91K)	45J9524	1
Modem phone cable (models 91G 91M 91A 91Q 91K)	39K5120	1
LI140mm Rear Com2 cable II mini® (models 91G 91M 91A 91Q 91K)	43N9062	2
Rear USB 2 Ports II LP® 350 mm (models 91G 91M 91A 91Q 91K)	43N9124	2
NVIDIA G100 DDR2 256MB LP - DVI-I (With DVI-I to VGA Dongle) (models 91G 91M 91A 91Q 91K)	53Y9341	1

7610 Power Cords (Primary)	FRU #	CRU
Power cord - US (models 91G 91M 91A 91Q 91K)	41R3184	1
Power cord - China (models 91G 91M 91A 91Q 91K)	41R3256	1
Power Cord - Japanese and Japanese English (models 91G 91M 91A 91Q 91K)	41R3248	1
Power cord - Brazil (models 91G 91M 91A 91Q 91K)	41R3270	1
Power cord - LA High Volt (APU) (models 91G 91M 91A 91Q 91K)	41R3176	1
Power cord - Australia / New Zealand (models 91G 91M 91A 91Q 91K)	41R3196	1
Power cord - Korea (models 91G 91M 91A 91Q 91K)	41R3260	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91G 91M 91A 91Q 91K)	41R3224	1
Power cord - Taiwan (models 91G 91M 91A 91Q 91K)	41R3278	1
Power cord - Italy (models 91G 91M 91A 91Q 91K)	41R3232	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91G 91M 91A 91Q 91K)	41R3208	1
Power cord - Denmark (models 91G 91M 91A 91Q 91K)	41R3212	1
Power cord - Switzerland (models 91G 91M 91A 91Q 91K)	41R3228	1
Power cord - Israel (models 91G 91M 91A 91Q 91K)	41R3236	1
Power cord - South Africa (models 91G 91M 91A 91Q 91K)	41R3220	1
Power cord - India (models 91G 91M 91A 91Q 91K)	41R3341	1
Power cord - Thailand (models 91G 91M 91A 91Q 91K)	43N9029	1

7610 Power Cords (Secondary)	FRU#	CRU
Power cord - US (models 91G 91M 91A 91Q 91K)	41R3185	1
Power cord - China (models 91G 91M 91A 91Q 91K)	41R3257	1
Power Cord - Japanese and Japanese English (models 91G 91M 91A 91Q 91K)	41R3249	1
Power cord - Brazil (models 91G 91M 91A 91Q 91K)	41R3271	1
Power cord - LA High Volt (APU) (models 91G 91M 91A 91Q 91K)	41R3177	1
Power cord - Australia / New Zealand (models 91G 91M 91A 91Q 91K)	41R3197	1
Power cord - Korea (models 91G 91M 91A 91Q 91K)	41R3261	1

7610 Power Cords (Secondary)	FRU#	CRU
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91G 91M 91A 91Q 91K)	41R3225	1
Power cord - Taiwan (models 91G 91M 91A 91Q 91K)	41R3279	1
Power cord - Italy (models 91G 91M 91A 91Q 91K)	41R3233	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91G 91M 91A 91Q 91K)	41R3209	1
Power cord - Denmark (models 91G 91M 91A 91Q 91K)	41R3213	1
Power cord - Switzerland (models 91G 91M 91A 91Q 91K)	41R3229	1
Power cord - Israel (models 91G 91M 91A 91Q 91K)	41R3237	1
Power cord - South Africa (models 91G 91M 91A 91Q 91K)	41R3221	1
Power cord - India (models 91G 91M 91A 91Q 91K)	41R3175	1
Power cord - Thailand (models 91G 91M 91A 91Q 91K)	43N9030	1
Power cord - Y cable for Brazil (models 91G 91M 91A 91Q 91K)	43N9044	1

7610 Windows XP Home Recovery CDs	FRU#	CRU
US English/UK/Asia Pacific (models 91G 91M 91A 91Q 91K)	TBD	1
French/French Canadian (models 91G 91M 91A 91Q 91K)	TBD	1
Greek (models 91G 91M 91A 91Q 91K)	TBD	1
Italy (models 91G 91M 91A 91Q 91K)	TBD	1
Brazilian (models 91G 91M 91A 91Q 91K)	TBD	1
Spanish/LA (models 91G 91M 91A 91Q 91K)	TBD	1
Danish (models 91G 91M 91A 91Q 91K)	TBD	1
Dutch (models 91G 91M 91A 91Q 91K)	TBD	1
Arabic (models 91G 91M 91A 91Q 91K)	TBD	1
Swedish (models 91G 91M 91A 91Q 91K)	TBD	1
Hebrew (models 91G 91M 91A 91Q 91K)	TBD	1
Finnish (models 91G 91M 91A 91Q 91K)	TBD	1
Norwegian (models 91G 91M 91A 91Q 91K)	TBD	1
Polish (models 91G 91M 91A 91Q 91K)	TBD	1
Portuguese (models 91G 91M 91A 91Q 91K)	TBD	1
Russian (models 91G 91M 91A 91Q 91K)	TBD	1
Russian English (models 91G 91M 91A 91Q 91K)	TBD	1
Hungarian (models 91G 91M 91A 91Q 91K)	TBD	1
Czech (models 91G 91M 91A 91Q 91K)	TBD	1
Turkish native (models 91G 91M 91A 91Q 91K)	TBD	1
Greek (models 91G 91M 91A 91Q 91K)	TBD	1
Japanese (models 91G 91M 91A 91Q 91K)	TBD	1
Simplified Chinese (models 91G 91M 91A 91Q 91K)	TBD	1
Taiwan-TC (models 91G 91M 91A 91Q 91K)	TBD	1
Hong Kong-TC (models 91G 91M 91A 91Q 91K)	TBD	1
Korean (models 91G 91M 91A 91Q 91K)	TBD	1

7610 Windows XP Pro Recovery CDs	FRU#	CRU
US English (models 91G 91M 91A 91Q 91K)	64Y5685	1
French (models 91G 91M 91A 91Q 91K)	64Y5686	1
German (models 91G 91M 91A 91Q 91K)	64Y5687	1
Italian (models 91G 91M 91A 91Q 91K)	64Y5690	1
Brazilian Portuguese (models 91G 91M 91A 91Q 91K)	64Y5689	1
Spanish (models 91G 91M 91A 91Q 91K)	64Y5688	1
Danish (models 91G 91M 91A 91Q 91K)	64Y5694	1
Dutch (models 91G 91M 91A 91Q 91K)	64Y5695	1
Arabic (models 91G 91M 91A 91Q 91K)	64Y5699	1
Swedish (models 91G 91M 91A 91Q 91K)	64Y5693	1
Hebrew (models 91G 91M 91A 91Q 91K)	63Y8286	1
Finnish (models 91G 91M 91A 91Q 91K)	64Y5697	1
Norwegian (models 91G 91M 91A 91Q 91K)	64Y5692	1
Polish (models 91G 91M 91A 91Q 91K)	64Y5698	1
Portuguese (models 91G 91M 91A 91Q 91K)	63Y8294	1
Russian (models 91G 91M 91A 91Q 91K)	64Y5700	1
Russian English (models 91G 91M 91A 91Q 91K)	63Y8290	1
Hungarian (models 91G 91M 91A 91Q 91K)	63Y8292	1
Czech (models 91G 91M 91A 91Q 91K)	64Y5696	1
Turkish (models 91G 91M 91A 91Q 91K)	64Y5701	1
Greek (models 91G 91M 91A 91Q 91K)	64Y5702	1
Slovenian (models 91G 91M 91A 91Q 91K)	63Y8295	1
Japanese (models 91G 91M 91A 91Q 91K)	64Y6068	1
Simplified Chinese (models 91G 91M 91A 91Q 91K)	64Y5703	1
Taiwan-TC (models 91G 91M 91A 91Q 91K)	64Y5704	1
Hong Kong-TC (models 91G 91M 91A 91Q 91K)	64Y5705	1
Korean (models 91G 91M 91A 91Q 91K)	63Y8299	1
MUI Nordics (EN-DK-FI-NO-SV) (models 91G 91M 91A 91Q 91K)	64Y4801	1
MUI Switz (EN-FR-GR-IT) (models 91G 91M 91A 91Q 91K)	64Y4802	1
MUI Bel-Lux (EN-FR-GR-NL) (models 91G 91M 91A 91Q 91K)	64Y4803	1

7610 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
US English (models 91G 91M 91A 91Q 91K)	64Y2771	1
French (models 91G 91M 91A 91Q 91K)	64Y2773	1
German (models 91G 91M 91A 91Q 91K)	64Y2774	1
Spanish (models 91G 91M 91A 91Q 91K)	64Y2775	1
Brazilian (models 91G 91M 91A 91Q 91K)	64Y2776	1
Italian (models 91G 91M 91A 91Q 91K)	64Y2777	1
Japanese (models 91G 91M 91A 91Q 91K)	64Y6073	1
Dutch (models 91G 91M 91A 91Q 91K)	64Y2791	1

7610 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
Czech (models 91G 91M 91A 91Q 91K)	64Y2778	1
Polish (models 91G 91M 91A 91Q 91K)	64Y2779	1
Russian (models 91G 91M 91A 91Q 91K)	64Y2780	1
Turkish (models 91G 91M 91A 91Q 91K)	64Y2781	1
Hungarian (models 91G 91M 91A 91Q 91K)	64Y2782	1
Greek (models 91G 91M 91A 91Q 91K)	64Y2783	1
Portuguese (models 91G 91M 91A 91Q 91K)	64Y2794	1
Simplified Chinese (models 91G 91M 91A 91Q 91K)	64Y2785	1
Hong Kong (models 91G 91M 91A 91Q 91K)	64Y2787	1
Traditional Chinese (models 91G 91M 91A 91Q 91K)	64Y2786	1
Korean (models 91G 91M 91A 91Q 91K)	64Y2788	1
Slovenian (models 91G 91M 91A 91Q 91K)	64Y2789	1
Russian English (models 91G 91M 91A 91Q 91K)	64Y2772	1
Hebrew (models 91G 91M 91A 91Q 91K)	64Y2792	1
Arabic Localized (models 91G 91M 91A 91Q 91K)	64Y2790	1
Slovakian (models 91G 91M 91A 91Q 91K)	64Y2796	1
Romanian (models 91G 91M 91A 91Q 91K)	64Y2793	1
Serbian-Latin (models 91G 91M 91A 91Q 91K)	64Y2795	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G 91M 91A 91Q 91K)	64Y2797	1
C&L 2 Switzerland (EN FR GR IT) (models 91G 91M 91A 91Q 91K)	64Y2798	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G 91M 91A 91Q 91K)	64Y2799	1

7610 Vista Business 32 Recovery DVDs	FRU#	CRU
US English (models 91G 91M 91A 91Q 91K)	64Y2684	1
French (models 91G 91M 91A 91Q 91K)	64Y2686	1
German (models 91G 91M 91A 91Q 91K)	64Y2687	1
Spanish (models 91G 91M 91A 91Q 91K)	64Y2688	1
Brazilian Portuguese (models 91G 91M 91A 91Q 91K)	64Y2689	1
Italian (models 91G 91M 91A 91Q 91K)	64Y2690	1
Japanese (models 91G 91M 91A 91Q 91K)	64Y6071	1
Dutch (models 91G 91M 91A 91Q 91K)	64Y2704	1
Czech (models 91G 91M 91A 91Q 91K)	64Y2691	1
Polish (models 91G 91M 91A 91Q 91K)	64Y2692	1
Russian (models 91G 91M 91A 91Q 91K)	64Y2693	1
Turkish (models 91G 91M 91A 91Q 91K)	64Y2694	1
Hungarian (models 91G 91M 91A 91Q 91K)	64Y2695	1
Greek (models 91G 91M 91A 91Q 91K)	64Y2696	1
Portuguese (models 91G 91M 91A 91Q 91K)	64Y2707	1
Simplified Chinese (models 91G 91M 91A 91Q 91K)	64Y2698	1
Traditional Chinese (models 91G 91M 91A 91Q 91K)	64Y2699	1
Hong Kong (models 91G 91M 91A 91Q 91K)	64Y2700	1

7610 Vista Business 32 Recovery DVDs	FRU#	CRU
Korean (models 91G 91M 91A 91Q 91K)	64Y2701	1
Slovenian (models 91G 91M 91A 91Q 91K)	64Y2702	1
Russian English (models 91G 91M 91A 91Q 91K)	64Y2685	1
Romanian (models 91G 91M 91A 91Q 91K)	64Y2706	1
Serbian-Latin (models 91G 91M 91A 91Q 91K)	64Y2708	1
Slovakian (models 91G 91M 91A 91Q 91K)	64Y2709	1
Arabic Localized (models 91G 91M 91A 91Q 91K)	64Y2703	1
Hebrew (models 91G 91M 91A 91Q 91K)	64Y2705	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G 91M 91A 91Q 91K)	64Y2710	1
C&L 2 Switzerland (EN FR GR IT) (models 91G 91M 91A 91Q 91K)	64Y2711	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G 91M 91A 91Q 91K)	64Y2712	1

7610 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
US English (models 91G 91M 91A 91Q 91K)	64Y2800	1
French (models 91G 91M 91A 91Q 91K)	64Y2801	1
German (models 91G 91M 91A 91Q 91K)	64Y2802	1
Spanish (models 91G 91M 91A 91Q 91K)	64Y2803	1
Italian (models 91G 91M 91A 91Q 91K)	64Y2805	1
Japanese (models 91G 91M 91A 91Q 91K)	64Y6074	1
Hong Kong (models 91G 91M 91A 91Q 91K)	64Y2807	1
Korean (models 91G 91M 91A 91Q 91K)	64Y2804	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G 91M 91A 91Q 91K)	64Y2808	1
C&L 2 Switzerland (EN FR GR IT) (models 91G 91M 91A 91Q 91K)	64Y2809	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G 91M 91A 91Q 91K)	64Y2810	1

7610 Vista Business 64 Recovery DVDs	FRU#	CRU
US English (models 91G 91M 91A 91Q 91K)	64Y2820	1
French (models 91G 91M 91A 91Q 91K)	64Y2821	1
German (models 91G 91M 91A 91Q 91K)	64Y2822	1
Japanese (models 91G 91M 91A 91Q 91K)	64Y6076	1
Simplified Chinese (models 91G 91M 91A 91Q 91K)	64Y2824	1

7610 Vista Ultimate 32 Recovery DVDs	FRU#	CRU
US English (models 91G 91M 91A 91Q 91K)	64Y2811	1
Japanese (models 91G 91M 91A 91Q 91K)	64Y6075	1
French (models 91G 91M 91A 91Q 91K)	64Y2812	1
German (models 91G 91M 91A 91Q 91K)	64Y2813	1
Spanish (models 91G 91M 91A 91Q 91K)	64Y2814	1
Italian (models 91G 91M 91A 91Q 91K)	64Y2815	1
Hong Kong - Traditional Chinese (models 91G 91M 91A 91Q 91K)	64Y2817	1
Arabic localized (models 91G 91M 91A 91Q 91K)	64Y2818	1

7610 Vista Ultimate 32 Recovery DVDs	FRU#	CRU
C&L 1 Nordics (EN DK FI NO SV) (models 91G 91M 91A 91Q 91K)	64Y2819	1

7610 Vista Starter 32 Recovery DVDs	FRU#	CRU
English (models 91G 91M 91A 91Q 91K)	TBD	1

Machine Type 7611

Item#	7611 FRUs	FRU#	CRU
1	Intel 95W/65W Heatsink (all models)	43N9409	2
1	Intel 65W heat sink (all models)	43N9708	2
2	System board, Intel G41 MATX(GA) non-AMT (models 91U 91F 91M 91Q 91C 91K A1H A2H A3H A4H A5H A6H A7H A8H B6H B5S B5P B5Y A9V B1A B2A B3A B4A 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	46R8891	N
3	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91U 91F 91M 91Q 91C 91K B3A B4A 73G 74G 79G 7AG)	53Y6653	N
3	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models A7H B2A)	53Y6654	N
3	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST, EM64T, EDB) 65W (models A8H)	53Y9049	N
3	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST, EM64T, EDB) M0 65W (models)	53Y9051	N
3	Microprocessor, Q8300 Yorkfield 2.5GHZ, 1333MHz, 4M R-0 (ViiV, EIST, EM64T, EDB) 95W (models)	53Y6656	N
3	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W (models)	46R8640	N
3	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W (models A5H)	45C7735	N
3	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W (models A1H A9V 75G 76G)	45C7736	N
3	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W (models)	45C7737	N

Item#	7611 FRUs	FRU#	CRU
3	Microprocessor, E8190 2.66GHz 1333MHz FSB 6M C-0 - NON VT/Vpro 65W (models)	45R2568	N
3	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W (models)	45R8337	N
3	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W (models A2H A3H B1A)	46R1622	N
3	Microprocessor, E2180 Conroe-L 2.0GHz 800MHz FSB 1M (models)	45C1773	N
3	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M (models)	45C5349	N
3	Microprocessor, E2220 Conroe-L 2.4GHz 800MHz FSB 1M (models)	45C1774	N
3	Microprocessor, E5200 2.5G 800MHz 2M M-0 65W, 45nm (models B6H B5S B5P B5Y 77G 78G)	46R9512	N
3	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W (models)	46R1655	N
3	Microprocessor, E1400 2.0GHz 800MHz FSB 512K - NPI M-0 65W (models 71G 72G)	45R8339	N
3	Microprocessor, E1200 1.6GHZ/800MHZ/512K M-0 65W (models)	45R8341	N
3	Microprocessor, Cel-430 Conroe-L 1.8GHz 800MHz FSB 512K (models)	43C1964	N
3	Microprocessor, Cel-440 Conroe-L 2.0GHz 800MHz FSB 512K (models)	43C1965	N
3	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W (models)	46R9514	N
3	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W (models)	46R8642	N
3	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W (models A6H)	46R8644	N
3	Microprocessor, Q8200 2.33GHz 1333FSB 4M M-1 95W (models A4H)	46R9516	N
3	Microprocessor, Q6700 2.66GHZ 1066FSB 8M G-0 Stepping Level, 95W (models)	43C6309	N
3	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W (models)	45C7739	N
3	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W (models)	45C7740	N
3	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W (models)	45C7741	N
3	Microprocessor, E5400 2.7G 800MHz 2MB 65W Non-vPro SKU (models)	64Y1075	N
4	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4255	1
4	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4256	1
4	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4257	1
4	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM (models)	41X1079	1
4	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM (models A2H A3H A4H A5H A6H A8H B6H B5S B5P B5Y A9V B1A B3A B4A)	41X1080	1
4	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM (models 91U 91F 91M 91Q 91C 91K A1H A7H B2A 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41X1081	1
6	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista (models A2H A8H A9V)	41N3325	1
6	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista (models 91U 91F 91M 91Q 91C 91K A1H A3H A4H A5H A6H A7H B6H B5S B5P B5Y B1A B2A B3A B4A 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	43C1042	1
6	Optical drive, Blu-ray Recorder / DVD Super Multi (models)	53Y7643	1
7	Diskette drive, 3.5″ 1.44MB 2 Mode FDD with Bezel and cable (models)	40Y9107	1
7	Diskette drive, 3.5″ 1.44MB 2 Mode FDD with Bezel and cable (models)	40Y9105	1
8	Front bezel assembly (all models)	43N9662	1
8	Front bezel with ODD door assembly (all models)	43N9694	2

Item#	7611 FRUs	FRU#	CRU
9	Internal speaker 400mm -- Optional (all models)	43N9091	2
11	Battery 3V - Lithium (models 91U 91F 91M 91Q 91C 91K A1H A2H A3H A4H A5H A6H A7H A8H B6H B5S B5P B5Y A9V B1A B2A B3A B4A 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	45C1566	1
12	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB (models A1H A2H B5S B5P B5Y A9V B1A 71G 72G)	40Y9035	1
12	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB (models A3H A4H A5H B6H B2A B3A B4A)	40Y9036	1
12	Hard disk drive, SATA 320GB 7200rpm SATA/8MB (models 91U 91F 91M 91Q 91C 91K A6H A7H A8H 73G 74G 75G 76G 77G 78G 79G 7AG)	87H4891	1
12	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB (models)	41X5582	1
12	Hard disk drive, 1TB 7200rpm SATA (models)	45C5973	1
12	Hard disk drive, 150G 10K rpm, SATA (models)	46R8893	1
14	Intrusion Switch Asm 475mm --Optional (all models)	39K5022	2
14	Intrusion Switch Asm (all models)	41R6116	2
15	System fan, rear (all models)	41R6269	2
16	Power supply, ATX 450W 80% power supply, Robust, WW, JP (models 91U 91F 91M 91Q 91C 91K A1H A2H A3H A4H A5H A6H A7H A8H B6H B5S B5P B5Y A9V B1A B2A B3A B4A 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A9721	2
16	Power supply, ATX 280W power supply, Robust, WW (models 91U 91F 91M 91Q 91C 91K A1H A2H A3H A4H A5H A6H A7H A8H B6H B5S B5P B5Y A9V B1A B2A B3A B4A 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A9684	2
16	Power supply, ATX 280W 80% power supply, Robust, WW, JP (models 91U 91F 91M 91Q 91C 91K A1H A2H A3H A4H A5H A6H A7H A8H B6H B5S B5P B5Y A9V B1A B2A B3A B4A 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A9665	2

The FRUs listed in the following tables are not illustrated.

7611 FRUs	FRU#	CRU
System fan, front fan used for 2X500G (all models)	43N9599	2
Shield, 5.25 EMC FOR 1st ODD Bay (all models)	41N8080	1
Cable - SATA 457 mm (RoHS) for ODD (all models)	43N9013	2
Cable - SATA, Second HDD, 120 mm, 1 latching for Device, RoHS (all models)	41R3328	2
Cable - SATA 250 mm (RoHS) for 1st HDD (all models)	43N9012	2
Second HDD Bracket Asm (all models)	41R6106	1
FDD EMC Shield (all models)	41N8078	1
Temp Sense Cable (6pin 460 mm) (all models)	45J9495	2
FDD Cable (all models)	41A7182	2
FDD Cable, 310 mm (all models)	41A7147	2
I/O Shield - Ace (all models)	41N8053	2
HDD Tray (all models)	41R6291	1
ODD/FDD/Cardreader Retainers (all models)	43N9351	1
Cable Clip, FW-6D (all models)	43N9462	2
Power switch cable, 760 mm (all models)	45J9512	2
Front I_O cable_R (all models)	45J9506	2

7611 FRUs	FRU#	CRU
ODD door assembly (all models)	43N9663	1
No FDD cover assembly (all models)	43N9664	1
FDD/Cardreader cover (all models)	43N9665	1
USB cover (all models)	43N9666	1
Top handle assembly (all models)	43N9667	1
3.5′′ Convert 2.5′′ for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9593	2
Thermal Grease (all models)	91P8835	N

7611 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--US English (models 91U 91M 91Q A1H A2H A3H A4H A5H A6H A7H A8H B6H B1A B2A B3A B4A 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5289	1
USB FULL--Arabic (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5290	1
USB FULL--Arabic/French (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5291	1
USB FULL--Belgium French (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5292	1
USB FULL--Belgium English (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5293	1
USB FULL--Brazilian Portuguese (models B5P)	41A5294	1
USB FULL--Bulgarian (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5295	1
USB FULL--Chinese/US (models A9V)	41A5296	1
USB FULL--Czech (ABB) (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5297	1
USB FULL--Danish (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5298	1
USB FULL--Dutch (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5299	1
USB FULL--French (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5300	1
USB FULL--French Canadian (models 91F 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5301	1
USB FULL--French Canadian (models 91F 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5302	1
USB FULL--German (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5303	1
USB FULL--Greek (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5304	1
USB FULL--Greek/US (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5305	1
USB FULL--Hebrew (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5306	1
USB FULL--Hungarian (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5307	1
USB FULL--Iceland (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5308	1
USB FULL--Italy (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5309	1
USB FULL--Japanese (models)	41A5310	1
USB FULL--Korean (models 91K)	41A5311	1
USB FULL--LA Spanish (models B5S B5Y)	41A5312	1
USB FULL--Norwegian (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5313	1
USB FULL--Polish (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5314	1
USB FULL--Portuguese (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5315	1
USB FULL--Romanian (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5317	1
USB FULL--Romanian (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5316	1
USB FULL--Russian/Cyrillic (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5318	1
USB FULL--Serbian/Cyrillic (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5319	1

7611 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--Slovak (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5320	1
USB FULL--Spanish (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5321	1
USB FULL--Swedish/Finnish (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5322	1
USB FULL--Swiss French/German (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5323	1
USB FULL--Thailand (models)	41A5324	1
USB FULL--Turkish (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5325	1
USB FULL--Turkish (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5326	1
USB FULL --UK English (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5327	1
USB FULL--US Euro (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5328	1
USB FULL--Slovenian (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41A5329	1
USB FULL--Lithuanian (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	45J4896	1
USB FULL--Estonia (models CTO)	51J0059	1

7611 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
US English (models)	41R0038	1
Arabic (models)	41R0039	1
Arabic/French (models)	41R0040	1
Belgium French (models)	41R0041	1
Belgium English (models)	41R0042	1
Brazilian Portuguese (models)	41R0043	1
Bulgarian (models)	41R0044	1
Chinese/US (models)	41R0045	1
Czech (ABB) (models)	41R0046	1
Danish (models)	41R0047	1
Dutch (models)	41R0048	1
French (models)	41R0049	1
French Canadian (models)	41R0050	1
French Canadian (models)	41R0051	1
German (models)	41R0052	1
Greek (models)	41R0053	1
Greek/US (models)	41R0054	1
Hebrew (models)	41R0055	1
Hungarian (models)	41R0056	1
Iceland (models)	41R0057	1
Italian (models)	41R0058	1
Japanese (models)	41R0059	1
Korean (models)	41R0060	1
LA Spanish (models)	41R0061	1
Norwegian (models)	41R0062	1
Polish (models)	41R0063	1

7611 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
Portuguese (models)	41R0064	1
Romanian (models)	41R0065	1
Romanian (models)	41R0066	1
Russian/Cyrillic (models)	41R0067	1
Serbian/Cyrillic (models)	41R0068	1
Slovak (models)	41R0069	1
Spanish (models)	41R0070	1
Swedish/Finnish (models)	41R0071	1
Swiss French/German (models)	41R0072	1
Thailand (models)	41R0073	1
Turkish (models)	41R0074	1
Turkish (models)	41R0075	1
UK English (models)	41R0076	1
US Euro (models)	41R0077	1
Slovenian (models)	41R0078	1

7611 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--US English (models)	41A5039	1
PS/2 Full--Arabic (models)	41A5040	1
PS/2 Full--Arabic (New) (models)	45J4880	1
PS/2 Full--Arabic/French (models)	41A5041	1
PS/2 Full--Belgium French (models)	41A5042	1
PS/2 Full--Belgium English (models)	41A5043	1
PS/2 Full--Brazilian Portuguese (models)	41A5044	1
PS/2 Full--Bulgarian (models)	41A5045	1
PS/2 Full--Chinese/US (models)	41A5046	1
PS/2 Full--Czech (ABB) (models)	41A5047	1
PS/2 Full--Danish (models)	41A5048	1
PS/2 Full--Dutch (models)	41A5049	1
PS/2 Full--French (models)	41A5050	1
PS/2 Full--French Canadian (models)	41A5051	1
PS/2 Full--French Canadian (models)	41A5052	1
PS/2 Full--German (models)	41A5053	1
PS/2 Full--Greek (models)	41A5054	1
PS/2 Full--Greek/US (models)	41A5080	1
PS/2 Full--Hebrew (models)	41A5055	1
PS/2 Full--Hungarian (models)	41A5056	1
PS/2 Full--Iceland (models)	41A5057	1
PS/2 Full--Italian (models)	41A5058	1
PS/2 Full--Japanese (models)	41A5059	1
PS/2 Full--Korean (models)	41A5060	1

7611 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--LA Spanish (models)	41A5061	1
PS/2 Full--Norwegian (models)	41A5062	1
PS/2 Full--Polish (models)	41A5063	1
PS/2 Full--Portuguese (models)	41A5064	1
PS/2 Full--Romanian (models)	41A5065	1
PS/2 Full--Russian/Cyrillic (models)	41A5066	1
PS/2 Full--Serbian/Cyrillic (models)	41A5067	1
PS/2 Full--Slovak (models)	41A5068	1
PS/2 Full--Spanish (models)	41A5069	1
PS/2 Full--Swedish/Finnish (models)	41A5070	1
PS/2 Full--Swiss French/German (models)	41A5071	1
PS/2 Full--Thailand (models)	41A5072	1
PS/2 Full--Turkish (models)	41A5073	1
PS/2 Full--Turkish (models)	41A5074	1
PS/2 Full--UK English (models)	41A5075	1
PS/2 Full--US Euro (models)	41A5076	1
PS/2 Full--Slovenian (models)	41A5077	1

7611 Mice	FRU#	CRU
Optical Wheel Mouse OPT (400DPI, USB) (models 91U 91F 91M 91Q 91C 91K A1H A2H A3H A4H A5H A6H A7H A8H B6H B5S B5P B5Y A9V B1A B2A B3A B4A 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41U3013	1
Optical Wheel Mouse OPT (400DPI, USB) (models 91U 91F 91M 91Q 91C 91K A1H A2H A3H A4H A5H A6H A7H A8H B6H B5S B5P B5Y A9V B1A B2A B3A B4A 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41U3030	1
PS/2 Three button ball mouse scrollpoint (41R0017) (models)	41R0018	1

7611 Adapters and miscellaneous FRUs	FRU#	CRU
Internal 25 in 1 USB Memory Card Reader (models)	45R8139	1
IEEE 1394 Firewire Adapter ATX (models)	41D2781	1
Speaker power brick - US, Canada, LA low voltage, ASEAN (models 91U)	89P8571	1
Speaker power brick - LA high voltage (non-APU) (models)	89P8575	1
Speaker power brick - Simplified Chinese, Thailand EMEA (models 91C 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	89P8581	1
Speaker power brick - Japanese (models)	89P8577	1
Speaker power brick - Brazil (models)	89P8583	1
Speaker power brick - Argentina (models)	41A4901	1
Speaker power brick - ANZ (models 91M)	89P8579	1
Speaker power brick - Korea (models)	41A4903	1
Speaker power brick - Hong Kong, EMEA, Ireland (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	89P8573	1
Speaker power brick -Taiwan-Traditional Chinese (models A9V)	41A4905	1

7611 Adapters and miscellaneous FRUs	FRU#	CRU
Speaker power brick - India, South Africa (models 91Q)	89P8585	1
2-pc external speaker--primary (models)	41A5331	1
2-pc external speaker-secondary (models)	41A5334	1
DVI-I(M)-VGA(F) cord (models)	41R3342	1
Geforce 9500GT GDDR3 512MB - DVI+HDMI+DP (models)	46R1524	1
ATI HD3470 GDDR3 256MB - VGA+DP (models)	46R1521	1
ADD2 DVI-D Adapter, (HDCP) DVD-D connection Adapter Low Profile (Silicon Image) (models 75G 76G)	43C0258	1
DisplayPort to DVI-D Dongle (models)	43N9160	1
DisplayPort to VGA Dongle (models)	45J9524	1
Modem phone cable (models)	39K5120	1
LI300mm Rear USB 2Ports II HP® (models)	42Y8005	2
LI350mm Rear Com2 cable II mini® (models)	41R8548	2
NVIDIA G100 DDR2 256MB ATX - DVI-I+VGA (models CTO)	53Y9249	1
Soft Modem V.90/V.44 ATX (models)	46R4220	1

7611 Power Cords (Primary)	FRU #	CRU
Power cord - US (models 91U 91F B5S B5Y B1A B2A B3A B4A)	41R3184	1
Power cord - China (models 91C)	41R3256	1
Power Cord - Japanese and Japanese English (models)	41R3248	1
Power cord - Brazil (models)	41R3270	1
Power cord - LA High Volt (APU) (models)	41R3176	1
Power cord - Australia / New Zealand (models)	41R3196	1
Power cord - Korea (models)	41R3260	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models A1H A2H A3H A4H A5H A6H A7H A8H B6H)	41R3224	1
Power cord - Taiwan (models A9V)	41R3278	1
Power cord - Italy (models)	41R3232	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91U 91F B5S B5Y B1A B2A B3A B4A)	41R3208	1
Power cord - Denmark (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41R3212	1
Power cord - Switzerland (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41R3228	1
Power cord - Israel (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41R3236	1
Power cord - South Africa (models 91M B1A B2A B3A B4A 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41R3220	1
Power cord - India (models 91Q)	41R3341	1
Power cord - Thailand (models)	43N9029	1

7611 Power Cords (Secondary)	FRU#	CRU
Power cord - US (models 91U 91F B5S B5Y B1A B2A B3A B4A)	41R3185	1
Power cord - China (models 91C)	41R3257	1

7611 Power Cords (Secondary)	FRU#	CRU
Power Cord - Japanese and Japanese English (models)	41R3249	1
Power cord - Brazil (models)	41R3271	1
Power cord - LA High Volt (APU) (models)	41R3177	1
Power cord - Australia / New Zealand (models)	41R3197	1
Power cord - Korea (models)	41R3261	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models A1H A2H A3H A4H A5H A6H A7H A8H B6H)	41R3225	1
Power cord - Taiwan (models A9V)	41R3279	1
Power cord - Italy (models)	41R3233	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91U 91F B5S B5Y B1A B2A B3A B4A)	41R3209	1
Power cord - Denmark (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41R3213	1
Power cord - Switzerland (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41R3229	1
Power cord - Israel (models 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41R3237	1
Power cord - South Africa (models 91M B1A B2A B3A B4A 71G 72G 73G 74G 75G 76G 77G 78G 79G 7AG)	41R3221	1
Power cord - India (models 91Q)	41R3175	1
Power cord - Thailand (models)	43N9030	1
Power cord - Y cable for Brazil (models)	43N9044	1

7611 Windows XP Home Recovery CDs	FRU#	CRU
US English/UK/Asia Pacific (models)	TBD	1
French/French Canadian (models)	TBD	1
Greek (models)	TBD	1
Italy (models)	TBD	1
Brazilian (models)	TBD	1
Spanish/LA (models)	TBD	1
Danish (models)	TBD	1
Dutch (models)	TBD	1
Arabic (models)	TBD	1
Swedish (models)	TBD	1
Hebrew (models)	TBD	1
Finnish (models)	TBD	1
Norwegian (models)	TBD	1
Polish (models)	TBD	1
Portuguese (models)	TBD	1
Russian (models)	TBD	1
Russian English (models)	TBD	1
Hungarian (models)	TBD	1
Czech (models)	TBD	1
Turkish native (models)	TBD	1

7611 Windows XP Home Recovery CDs	FRU#	CRU
Greek (models)	TBD	1
Japanese (models)	TBD	1
Simplified Chinese (models)	TBD	1
Taiwan-TC (models)	TBD	1
Hong Kong-TC (models)	TBD	1
Korean (models)	TBD	1

7611 Windows XP Pro Recovery CDs	FRU#	CRU
US English (models B4A 72G 74G 76G 77G 7AG)	64Y5685	1
French (models 72G 74G 76G 77G 7AG)	64Y5686	1
German (models 72G 74G 76G 77G 7AG)	64Y5687	1
Italian (models)	64Y5690	1
Brazilian Portuguese (models 72G 74G 76G 77G 7AG)	64Y5689	1
Spanish (models 72G 74G 76G 77G 7AG)	64Y5688	1
Danish (models 72G 74G 76G 77G 7AG)	64Y5694	1
Dutch (models 72G 74G 76G 77G 7AG)	64Y5695	1
Arabic (models 72G 74G 76G 77G 7AG)	64Y5699	1
Swedish (models 72G 74G 76G 77G 7AG)	64Y5693	1
Hebrew (models 72G 74G 76G 77G 7AG)	63Y8286	1
Finnish (models 72G 74G 76G 77G 7AG)	64Y5697	1
Norwegian (models 72G 74G 76G 77G 7AG)	64Y5692	1
Polish (models 72G 74G 76G 77G 7AG)	64Y5698	1
Portuguese (models 72G 74G 76G 77G 7AG)	63Y8294	1
Russian (models 72G 74G 76G 77G 7AG)	64Y5700	1
Russian English (models 72G 74G 76G 77G 7AG)	63Y8290	1
Hungarian (models 72G 74G 76G 77G 7AG)	63Y8292	1
Czech (models 72G 74G 76G 77G 7AG)	64Y5696	1
Turkish (models 72G 74G 76G 77G 7AG)	64Y5701	1
Greek (models 72G 74G 76G 77G 7AG)	64Y5702	1
Slovenian (models 72G 74G 76G 77G 7AG)	63Y8295	1
Japanese (models)	64Y6068	1
Simplified Chinese (models)	64Y5703	1
Taiwan-TC (models A9V)	64Y5704	1
Hong Kong-TC (models)	64Y5705	1
Korea (models)	63Y8299	1
MUI Nordics (EN-DK-FI-NO-SV) (models B4A 72G 74G 76G 77G 7AG)	64Y4801	1
MUI Switz (US EN-FR -GR-IT) (models B4A 72G 74G 76G 77G 7AG)	64Y4802	1
MUI Bel-Lux (EN-FR-GR-NL) (models B4A 72G 74G 76G 77G 7AG)	64Y4803	1

7611 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2771	1

7611 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
French (models)	64Y2773	1
German (models)	64Y2774	1
Spanish (models)	64Y2775	1
Brazilian (models)	64Y2776	1
Italian (models)	64Y2777	1
Japanese (models)	64Y6073	1
Dutch (models)	64Y2791	1
Czech (models)	64Y2778	1
Polish (models)	64Y2779	1
Russian (models)	64Y2780	1
Turkish (models)	64Y2781	1
Hungarian (models)	64Y2782	1
Greek (models)	64Y2783	1
Portuguese (models)	64Y2794	1
Simplified Chinese (models)	64Y2785	1
Hong Kong (models)	64Y2787	1
Traditional Chinese (models)	64Y2786	1
Korean (models)	64Y2788	1
Slovenian (models)	64Y2789	1
Russian English (models)	64Y2772	1
Hebrew (models)	64Y2792	1
Arabic Localized (models)	64Y2790	1
Slovakian (models)	64Y2796	1
Romanian (models)	64Y2793	1
Serbian-Latin (models)	64Y2795	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2797	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2798	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2799	1

7611 Vista Business 32 Recovery DVDs	FRU#	CRU
US English (models A1H A2H A3H A4H A5H A6H A7H A8H B6H B1A B2A B3A 71G 73G 75G 78G 79G)	64Y2684	1
French (models 71G 73G 75G 78G 79G)	64Y2686	1
German (models 71G 73G 75G 78G 79G)	64Y2687	1
Spanish (models 71G 73G 75G 78G 79G)	64Y2688	1
Brazilian Portuguese (models)	64Y2689	1
Italian (models 71G 73G 75G 78G 79G)	64Y2690	1
Japanese (models)	64Y6071	1
Dutch (models 71G 73G 75G 78G 79G)	64Y2704	1
Czech (models)	64Y2691	1
Polish (models 71G 73G 75G 78G 79G)	64Y2692	1

7611 Vista Business 32 Recovery DVDs	FRU#	CRU
Russian (models 71G 73G 75G 78G 79G)	64Y2693	1
Turkish (models 71G 73G 75G 78G 79G)	64Y2694	1
Hungarian (models 71G 73G 75G 78G 79G)	64Y2695	1
Greek (models 71G 73G 75G 78G 79G)	64Y2696	1
Portuguese (models)	64Y2707	1
Simplified Chinese (models)	64Y2698	1
Traditional Chinese (models)	64Y2699	1
Hong Kong (models)	64Y2700	1
Korean (models)	64Y2701	1
Slovenian (models 71G 73G 75G 78G 79G)	64Y2702	1
Russian English (models 71G 73G 75G 78G 79G)	64Y2685	1
Romanian (models 71G 73G 75G 78G 79G)	64Y2706	1
Serbian-Latin (models 71G 73G 75G 78G 79G)	64Y2708	1
Slovakian (models 71G 73G 75G 78G 79G)	64Y2709	1
Arabic Localized (models 71G 73G 75G 78G 79G)	64Y2703	1
Hebrew (models 71G 73G 75G 78G 79G)	64Y2705	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2710	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2711	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2712	1

7611 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2800	1
French (models)	64Y2801	1
German (models)	64Y2802	1
Spanish (models)	64Y2803	1
Italian (models)	64Y2805	1
Japanese (models)	64Y6074	1
Hong Kong (models)	64Y2807	1
Korean (models)	64Y2804	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2808	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2809	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2810	1

7611 Vista Business 64 Recovery DVDs	FRU#	CRU
US English (models)	64Y2820	1
French (models)	64Y2821	1
German (models)	64Y2822	1
Japanese (models)	64Y6076	1
Simplified Chinese (models)	64Y2824	1

7611 Vista Ultimate 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2811	1
Japanese (models)	64Y6075	1
French (models)	64Y2812	1
German (models)	64Y2813	1
Spanish (models)	64Y2814	1
Italian (models)	64Y2815	1
Hong Kong - Traditional Chinese (models)	64Y2817	1
Arabic localized (models)	64Y2818	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2819	1

7611 Vista Starter 32 Recovery DVDs	FRU#	CRU
English (models)	TBD	1

Machine Type 7705
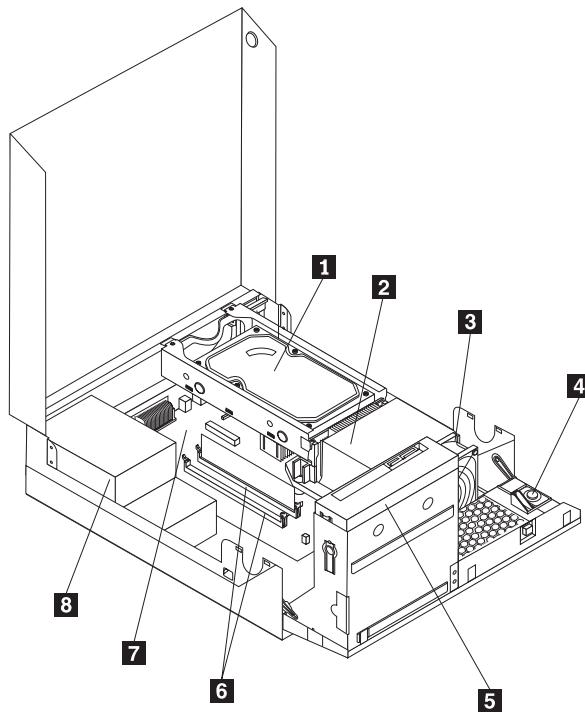
Item#	7705 FRUs	FRU#	CRU
1	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB (models A4S A4Y 77G 78G)	40Y9035	1
1	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB (models A5H A6H)	40Y9036	1
1	Hard disk drive, SATA 320GB 7200rpm SATA/8MB (models 91U 91F 91M 91A 91Q 91C 91V 91K A1H A2H 71G 73G 74G 75G 76G 79G)	87H4891	1
1	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB (models)	41X5582	1
1	Hard disk drive, 1TB 7200rpm SATA (models)	45C5973	1
1	Hard disk drive, 150G 10K rpm, SATA (models)	46R8893	1
2	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 71G 73G)	53Y6653	N
2	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models A1H)	53Y6654	N
2	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST, EM64T, EDB) 65W (models A2H)	53Y9049	N
2	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST, EM64T, EDB) M0 65W (models)	53Y9051	N
2	Microprocessor, Q8300 Yorkfield 2.5GHZ, 1333MHz, 4M R-0 (ViiV, EIST, EM64T, EDB) 95W (models)	53Y6656	N
2	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W (models)	46R8640	N
2	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W (models)	45C7735	N
2	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W (models 75G 76G)	45C7736	N
2	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W (models)	45C7737	N
2	Microprocessor, E8190 2.66GHz 1333MHz FSB 6M C-0 - NON VT/Vpro 65W (models)	45R2568	N

Item#	7705 FRUs	FRU#	CRU
2	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W (models)	45R8337	N
2	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W (models)	46R1622	N
2	Microprocessor, E2180 Conroe-L 2.0GHz 800MHz FSB 1M (models)	45C1773	N
2	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M (models)	45C5349	N
2	Microprocessor, E2220 Conroe-L 2.4GHz 800MHz FSB 1M (models)	45C1774	N
2	Microprocessor, E5200 2.5G 800MHz 2M M-0 65W, 45nm (models 91U 91F 91M 91A 91Q 91C 91V 91K A5H A6H A4S A4Y 74G 79G)	46R9512	N
2	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W (models)	46R1655	N
2	Microprocessor, E1400 2.0GHz 800MHz FSB 512K - NPI M-0 65W (models 77G 78G)	45R8339	N
2	Microprocessor, E1200 1.6GHZ/800MHZ/512K M-0 65W (models)	45R8341	N
2	Microprocessor, Cel-430 Conroe-L 1.8GHz 800MHz FSB 512K (models)	43C1964	N
2	Microprocessor, Cel-440 Conroe-L 2.0GHz 800MHz FSB 512K (models)	43C1965	N
2	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W (models)	46R9514	N
2	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W (models)	46R8642	N
2	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W (models)	46R8644	N
2	Microprocessor, Q8200 2.33GHz 1333FSB 4M M-1 95W (models)	46R9516	N
2	Microprocessor, Q6700 2.66GHZ 1066FSB 8M G-0 Stepping Level, 95W (models)	43C6309	N
2	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W (models)	45C7739	N
2	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W (models)	45C7740	N
2	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W (models)	45C7741	N
2	Microprocessor, E5400 2.7G 800MHz-2MB 65W Non-vPro SKU (models)	64Y1075	N
3	95W heat sink kit with RM (all models)	41R6454	2
3	65W heat sink kit with RM (all models)	43N9349	2
4	Internal speaker 254 mm - optional (all models)	39K5012	2
5	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista (models A2H)	41N3325	1
5	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista (models 91U 91F 91M 91A 91Q 91C 91V 91K A1H A5H A6H A4S A4Y 71G 73G 74G 75G 76G 77G 78G 79G)	43C1042	1
6	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4255	1
6	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4256	1
6	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4257	1
6	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM (models)	41X1079	1
6	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM (models A2H A5H A4S A4Y)	41X1080	1
6	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM (models 91U 91F 91M 91A 91Q 91C 91V 91K A1H A6H 71G 73G 74G 75G 76G 77G 78G 79G)	41X1081	1
7	System board, Intel G41 BTX(GA) non-AMT (models 91U 91F 91M 91A 91Q 91C 91V 91K A1H A2H A5H A6H A4S A4Y 71G 73G 74G 75G 76G 77G 78G 79G)	46R8892	N
8	Power supply, 280W Active PFC power supply (Auto sensing) for 10L---Robust, ww, JP (models 91U 91F 91M 91A 91Q 91C 91V 91K A1H A2H A5H A6H A4S A4Y 71G 73G 74G 75G 76G 77G 78G 79G)	41A9701	N

Item#	7705 FRUs	FRU#	CRU
8	Power supply, 280W 85+ power supply for 10L---Robust, ww, JP (models 91U 91F 91M 91A 91Q 91C 91V 91K A1H A2H A5H A6H A4S A4Y 71G 73G 74G 75G 76G 77G 78G 79G)	41A9742	N

The FRUs listed in the following tables are not illustrated.

7705 FRUs	FRU#	CRU
Battery 3V - Lithium (models 91U 91F 91M 91A 91Q 91C 91V 91K A1H A2H A5H A6H A4S A4Y 71G 73G 74G 75G 76G 77G 78G 79G)	45C1566	1
Cable - SATA 250 mm (RoHS) for 1st HDD (all models)	43N9012	2
Cable - SATA 600mm (RoHS) (all models)	45J9579	2
Cable - SATA 700 mm (RoHS) for ODD / Second HDD (all models)	43N9011	2
C2 Intrusion Switch 260 mm (all models)	43N9080	2
Rear IO shield BTX (all models)	41R6381	N
Temp Sense Cable (165 mm) (all models)	43N9079	2
Air Deflector, recycle resin (all models)	43N9610	2
HDD Tray ASM (all models)	43N9595	1
Front cage ASM (all models)	43N9596	N
Front cage ASM (all models)	43N9647	N
Cable, Front I_O cable_R (10L_U380_A550)_ESD (all models)	45J9509	2
Models with 3.5″ Convert 2.5″ for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9645	2
3.5″ Convert 2.5″ for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9593	2
Universal Adapter Bracket 5.25 to 3.5 607CT (all models)	43N9676	2
Top cover ASM (all models)	43N9594	1
Cable, LED/Switch cable_R (10L_220 mm_PCBA) (all models)	45J9515	2
NO ODD, EMI Shielding (all models)	43N9641	1
Card reader bezel, 607CT (all models)	43N9642	1
Non-Card reader bezel, 607CT (all models)	43N9643	1
Vertical Stand (all models)	43N9644	1
Front bezel ASM (all models)	43N9677	1
Chassis (all models)	43N9649	N
Rubber foot for vertical (all models)	43N9727	1
Rubber foot for horizontal (all models)	43N9728	1
Thermal Grease (all models)	91P8835	N

7705 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--US English (models 91U 91M 91A 91Q A1H A2H A5H A6H 71G 73G 74G 75G 76G 77G 78G 79G)	41A5289	1
USB FULL--Arabic (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5290	1
USB FULL--Arabic/French (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5291	1
USB FULL--Belgium French (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5292	1
USB FULL--Belgium English (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5293	1

7705 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--Brazilian Portuguese (models)	41A5294	1
USB FULL--Bulgarian (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5295	1
USB FULL--Chinese/US (models 91V)	41A5296	1
USB FULL--Czech (ABB) (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5297	1
USB FULL--Danish (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5298	1
USB FULL--Dutch (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5299	1
USB FULL--French (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5300	1
USB FULL--French Canadian (models 91F 71G 73G 74G 75G 76G 77G 78G 79G)	41A5301	1
USB FULL--French Canadian (models 91F 71G 73G 74G 75G 76G 77G 78G 79G)	41A5302	1
USB FULL--German (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5303	1
USB FULL--Greek (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5304	1
USB FULL--Greek/US (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5305	1
USB FULL--Hebrew (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5306	1
USB FULL--Hungarian (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5307	1
USB FULL--Iceland (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5308	1
USB FULL--Italy (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5309	1
USB FULL--Japanese (models)	41A5310	1
USB FULL--Korean (models 91K)	41A5311	1
USB FULL--LA Spanish (models A4S A4Y)	41A5312	1
USB FULL--Norwegian (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5313	1
USB FULL--Polish (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5314	1
USB FULL--Portuguese (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5315	1
USB FULL--Romanian (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5317	1
USB FULL--Romanian (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5316	1
USB FULL--Russian/Cyrillic (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5318	1
USB FULL--Serbian/Cyrillic (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5319	1
USB FULL--Slovak (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5320	1
USB FULL--Spanish (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5321	1
USB FULL--Swedish/Finnish (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5322	1
USB FULL--Swiss French/German (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5323	1
USB FULL--Thailand (models)	41A5324	1
USB FULL--Turkish (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5325	1
USB FULL--Turkish (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5326	1
USB FULL --UK English (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5327	1
USB FULL--US Euro (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5328	1
USB FULL--Slovenian (models 71G 73G 74G 75G 76G 77G 78G 79G)	41A5329	1
USB FULL--Arabic (New) (models 71G 73G 74G 75G 76G 77G 78G 79G)	45J4880	1
USB FULL--Lithuanian (models 71G 73G 74G 75G 76G 77G 78G 79G)	45J4896	1
USB FULL--Estonia (models CTO)	51J0059	1

7705 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
US English (models)	41R0038	1
Arabic (models)	41R0039	1
Arabic/French (models)	41R0040	1
Belgium French (models)	41R0041	1
Belgium English (models)	41R0042	1
Brazilian Portuguese (models)	41R0043	1
Bulgarian (models)	41R0044	1
Chinese/US (models)	41R0045	1
Czech (ABB) (models)	41R0046	1
Danish (models)	41R0047	1
Dutch (models)	41R0048	1
French (models)	41R0049	1
French Canadian (models)	41R0050	1
French Canadian (models)	41R0051	1
German (models)	41R0052	1
Greek (models)	41R0053	1
Greek/US (models)	41R0054	1
Hebrew (models)	41R0055	1
Hungarian (models)	41R0056	1
Iceland (models)	41R0057	1
Italian (models)	41R0058	1
Japanese (models)	41R0059	1
Korean (models)	41R0060	1
LA Spanish (models)	41R0061	1
Norwegian (models)	41R0062	1
Polish (models)	41R0063	1
Portuguese (models)	41R0064	1
Romanian (models)	41R0065	1
Romanian (models)	41R0066	1
Russian/Cyrillic (models)	41R0067	1
Serbian/Cyrillic (models)	41R0068	1
Slovak (models)	41R0069	1
Spanish (models)	41R0070	1
Swedish/Finnish (models)	41R0071	1
Swiss French/German (models)	41R0072	1
Thailand (models)	41R0073	1
Turkish (models)	41R0074	1
Turkish (models)	41R0075	1
UK English (models)	41R0076	1
US Euro (models)	41R0077	1
Slovenian (models)	41R0078	1

7705 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--US English (models)	41A5039	1
PS/2 Full--Arabic (models)	41A5040	1
PS/2 Full--Arabic/French (models)	41A5041	1
PS/2 Full--Belgium French (models)	41A5042	1
PS/2 Full--Belgium English (models)	41A5043	1
PS/2 Full--Brazilian Portuguese (models)	41A5044	1
PS/2 Full--Bulgarian (models)	41A5045	1
PS/2 Full--Chinese/US (models)	41A5046	1
PS/2 Full--Czech (ABB) (models)	41A5047	1
PS/2 Full--Danish (models)	41A5048	1
PS/2 Full--Dutch (models)	41A5049	1
PS/2 Full--French (models)	41A5050	1
PS/2 Full--French Canadian (models)	41A5051	1
PS/2 Full--French Canadian (models)	41A5052	1
PS/2 Full--German (models)	41A5053	1
PS/2 Full--Greek (models)	41A5054	1
PS/2 Full--Greek/US (models)	41A5080	1
PS/2 Full--Hebrew (models)	41A5055	1
PS/2 Full--Hungarian (models)	41A5056	1
PS/2 Full--Iceland (models)	41A5057	1
PS/2 Full--Italian (models)	41A5058	1
PS/2 Full--Japanese (models)	41A5059	1
PS/2 Full--Korean (models)	41A5060	1
PS/2 Full--LA Spanish (models)	41A5061	1
PS/2 Full--Norwegian (models)	41A5062	1
PS/2 Full--Polish (models)	41A5063	1
PS/2 Full--Portuguese (models)	41A5064	1
PS/2 Full--Romanian (models)	41A5065	1
PS/2 Full--Russian/Cyrillic (models)	41A5066	1
PS/2 Full--Serbian/Cyrillic (models)	41A5067	1
PS/2 Full--Slovak (models)	41A5068	1
PS/2 Full--Spanish (models)	41A5069	1
PS/2 Full--Swedish/Finnish (models)	41A5070	1
PS/2 Full--Swiss French/German (models)	41A5071	1
PS/2 Full--Thailand (models)	41A5072	1
PS/2 Full--Turkish (models)	41A5073	1
PS/2 Full--Turkish (models)	41A5074	1
PS/2 Full--UK English (models)	41A5075	1
PS/2 Full--US Euro (models)	41A5076	1
PS/2 Full--Slovenian (models)	41A5077	1

7705 Mice	FRU#	CRU
Optical Wheel Mouse OPT (400DPI, USB) (models 91U 91F 91M 91A 91Q 91C 91V 91K A1H A2H A5H A6H A4S A4Y 71G 73G 74G 75G 76G 77G 78G 79G)	41U3013	1
Optical Wheel Mouse OPT (400DPI, USB) (models 91U 91F 91M 91A 91Q 91C 91V 91K A1H A2H A5H A6H A4S A4Y 71G 73G 74G 75G 76G 77G 78G 79G)	41U3030	1
PS/2 Three button ball mouse scrollpoint (41R0017) (models)	41R0018	1

7705 Adapters and miscellaneous FRUs	FRU#	CRU
Internal 25 in 1 USB Memory Card Reader Slim (models)	46R1529	1
IEEE 1394 Firewire Adapter (models)	41D2781	1
Soft Modem V.90/V.44 (models)	46R4220	1
Speaker power brick - US, Canada, LA low voltage, ASEAN (models 91U)	89P8571	1
Speaker power brick - LA high voltage (non-APU) (models)	89P8575	1
Speaker power brick - Simplified Chinese, Thailand EMEA (models 91C 71G 73G 74G 75G 76G 77G 78G 79G)	89P8581	1
Speaker power brick - Japanese (models)	89P8577	1
Speaker power brick - Brazil (models)	89P8583	1
Speaker power brick - Argentina (models)	41A4901	1
Speaker power brick - ANZ (models 91M)	89P8579	1
Speaker power brick - Korea (models)	41A4903	1
Speaker power brick - Hong Kong, EMEA, Ireland (models 71G 73G 74G 75G 76G 77G 78G 79G)	89P8573	1
Speaker power brick -Taiwan-Traditional Chinese (models 91V)	41A4905	1
Speaker power brick - India, South Africa (models 91Q)	89P8585	1
2-pc external speaker--primary (models)	41A5331	1
2-pc external speaker-secondary (models)	41A5334	1
DVI-I(M)-VGA(F) cord (models)	41R3342	1
ATI HD3470 GDDR3 256MB - VGA+DP (models)	46R1521	1
ADD2 DVI-D Adapter, (HDCP) DVD-D connection Adapter Low Profile (Silicon Image) (models 71G 73G)	43C0258	1
DisplayPort to DVI-D Dongle (models)	43N9160	1
DisplayPort to VGA Dongle (models)	45J9524	1
Modem phone cable (models)	39K5120	1
LI140mm Rear Com2 cable II mini® (models)	43N9062	2
Rear USB 2 Ports II LP® 350 mm (models)	43N9124	2
NVIDIA G100 DDR2 256MB LP - DVI-I (With DVI-I to VGA Dongle) (models CTO)	53Y9341	1

7705 Power Cords (Primary)	FRU #	CRU
Power cord - US (models 91U 91F 91A A4S A4Y)	41R3184	1
Power cord - China (models 91C)	41R3256	1
Power Cord - Japanese and Japanese English (models)	41R3248	1
Power cord - Brazil (models)	41R3270	1

7705 Power Cords (Primary)	FRU #	CRU
Power cord - LA High Volt (APU) (models)	41R3176	1
Power cord - Australia / New Zealand (models)	41R3196	1
Power cord - Korea (models)	41R3260	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models A1H A2H A5H A6H)	41R3224	1
Power cord - Taiwan (models 91V)	41R3278	1
Power cord - Italy (models)	41R3232	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91U 91F 91A A4S A4Y)	41R3208	1
Power cord - Denmark (models 71G 73G 74G 75G 76G 77G 78G 79G)	41R3212	1
Power cord - Switzerland (models 71G 73G 74G 75G 76G 77G 78G 79G)	41R3228	1
Power cord - Israel (models 71G 73G 74G 75G 76G 77G 78G 79G)	41R3236	1
Power cord - South Africa (models 91M 91A 71G 73G 74G 75G 76G 77G 78G 79G)	41R3220	1
Power cord - India (models 91Q)	41R3341	1
Power cord - Thailand (models)	43N9029	1

7705 Power Cords (Secondary)	FRU#	CRU
Power cord - US (models 91U 91F 91A A4S A4Y)	41R3185	1
Power cord - China (models 91C)	41R3257	1
Power Cord - Japanese and Japanese English (models)	41R3249	1
Power cord - Brazil (models)	41R3271	1
Power cord - LA High Volt (APU) (models)	41R3177	1
Power cord - Australia / New Zealand (models)	41R3197	1
Power cord - Korea (models)	41R3261	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models A1H A2H A5H A6H)	41R3225	1
Power cord - Taiwan (models 91V)	41R3279	1
Power cord - Italy (models)	41R3233	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91U 91F 91A A4S A4Y)	41R3209	1
Power cord - Denmark (models 71G 73G 74G 75G 76G 77G 78G 79G)	41R3213	1
Power cord - Switzerland (models 71G 73G 74G 75G 76G 77G 78G 79G)	41R3229	1
Power cord - Israel (models 71G 73G 74G 75G 76G 77G 78G 79G)	41R3237	1
Power cord - South Africa (models 91M 91A 71G 73G 74G 75G 76G 77G 78G 79G)	41R3221	1
Power cord - India (models 91Q)	41R3175	1
Power cord - Thailand (models)	43N9030	1
Power cord - Y cable for Brazil (models)	43N9044	1

7705 Windows XP Home Recovery CDs	FRU#	CRU
US English/UK/Asia Pacific (models)	TBD	1

7705 Windows XP Home Recovery CDs	FRU#	CRU
French/French Canadian (models)	TBD	1
Greek (models)	TBD	1
Italy (models)	TBD	1
Brazilian (models)	TBD	1
Spanish/LA (models)	TBD	1
Danish (models)	TBD	1
Dutch (models)	TBD	1
Arabic (models)	TBD	1
Swedish (models)	TBD	1
Hebrew (models)	TBD	1
Finnish (models)	TBD	1
Norwegian (models)	TBD	1
Polish (models)	TBD	1
Portuguese (models)	TBD	1
Russian (models)	TBD	1
Russian English (models)	TBD	1
Hungarian (models)	TBD	1
Czech (models)	TBD	1
Turkish native (models)	TBD	1
Greek (models)	TBD	1
Japanese (models)	TBD	1
Simplified Chinese (models)	TBD	1
Taiwan-TC (models)	TBD	1
Hong Kong-TC (models)	TBD	1
Korean (models)	TBD	1

7705 Windows XP Pro Recovery CDs	FRU#	CRU
US English (models 73G 74G 76G 78G)	64Y5685	1
French (models 73G 74G 76G 78G)	64Y5686	1
German (models 73G 74G 76G 78G)	64Y5687	1
Italian (models)	64Y5690	1
Brazilian Portuguese (models 73G 74G 76G 78G)	64Y5689	1
Spanish (models 73G 74G 76G 78G)	64Y5688	1
Danish (models 73G 74G 76G 78G)	64Y5694	1
Dutch (models 73G 74G 76G 78G)	64Y5695	1
Arabic (models 73G 74G 76G 78G)	64Y5699	1
Swedish (models 73G 74G 76G 78G)	64Y5693	1
Hebrew (models 73G 74G 76G 78G)	63Y8286	1
Finnish (models 73G 74G 76G 78G)	64Y5697	1
Norwegian (models 73G 74G 76G 78G)	64Y5692	1
Polish (models 73G 74G 76G 78G)	64Y5698	1

7705 Windows XP Pro Recovery CDs	FRU#	CRU
Portuguese (models 73G 74G 76G 78G)	63Y8294	1
Russian (models 73G 74G 76G 78G)	64Y5700	1
Russian English (models 73G 74G 76G 78G)	63Y8290	1
Hungarian (models 73G 74G 76G 78G)	63Y8292	1
Czech (models 73G 74G 76G 78G)	64Y5696	1
Turkish (models 73G 74G 76G 78G)	64Y5701	1
Greek (models 73G 74G 76G 78G)	64Y5702	1
Slovenian (models 73G 74G 76G 78G)	63Y8295	1
Japanese (models)	64Y6068	1
Simplified Chinese (models)	64Y5703	1
Taiwan-TC (models)	64Y5704	1
Hong Kong-TC (models)	64Y5705	1
Korean (models)	63Y8299	1
MUI Nordics (EN-DK-FI-NO-SV) (models 73G 74G 76G 78G)	64Y4801	1
MUI Switz (EN-FR-GR-IT) (models 73G 74G 76G 78G)	64Y4802	1
MUI Bel-Lux (EN-FR-GR-NL) (models 73G 74G 76G 78G)	64Y4803	1

7705 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2771	1
French (models)	64Y2773	1
German (models)	64Y2774	1
Spanish (models)	64Y2775	1
Brazilian (models)	64Y2776	1
Italian (models)	64Y2777	1
Japanese (models)	64Y6073	1
Dutch (models)	64Y2791	1
Czech (models)	64Y2778	1
Polish (models)	64Y2779	1
Russian (models)	64Y2780	1
Turkish (models)	64Y2781	1
Hungarian (models)	64Y2782	1
Greek (models)	64Y2783	1
Portuguese (models)	64Y2794	1
Simplified Chinese (models)	64Y2785	1
Hong Kong (models)	64Y2787	1
Traditional Chinese (models)	64Y2786	1
Korean (models)	64Y2788	1
Slovenian (models)	64Y2789	1
Russian English (models)	64Y2772	1
Hebrew (models)	64Y2792	1
Arabic Localized (models)	64Y2790	1

7705 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
Slovakian (models)	64Y2796	1
Romanian (models)	64Y2793	1
Serbian-Latin (models)	64Y2795	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2797	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2798	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2799	1

7705 Vista Business 32 Recovery DVDs	FRU#	CRU
US English (models 91U 91M 91A 91Q A1H A2H A5H A6H 71G 75G 77G 79G)	64Y2684	1
French (models 91F 71G 75G 77G 79G)	64Y2686	1
German (models 71G 75G 77G 79G)	64Y2687	1
Spanish (models 71G 75G 77G 79G)	64Y2688	1
Brazilian Portuguese (models)	64Y2689	1
Italian (models 71G 75G 77G 79G)	64Y2690	1
Japanese (models)	64Y6071	1
Dutch (models 71G 75G 77G 79G)	64Y2704	1
Czech (models)	64Y2691	1
Polish (models 71G 75G 77G 79G)	64Y2692	1
Russian (models 71G 75G 77G 79G)	64Y2693	1
Turkish (models 71G 75G 77G 79G)	64Y2694	1
Hungarian (models 71G 75G 77G 79G)	64Y2695	1
Greek (models 71G 75G 77G 79G)	64Y2696	1
Portuguese (models)	64Y2707	1
Simplified Chinese (models 91C)	64Y2698	1
Traditional Chinese (models)	64Y2699	1
Hong Kong (models)	64Y2700	1
Korean (models 91K)	64Y2701	1
Slovenian (models 71G 75G 77G 79G)	64Y2702	1
Russian English (models 71G 75G 77G 79G)	64Y2685	1
Romanian (models 71G 75G 77G 79G)	64Y2706	1
Serbian-Latin (models 71G 75G 77G 79G)	64Y2708	1
Slovakian (models 71G 75G 77G 79G)	64Y2709	1
Arabic Localized (models 71G 75G 77G 79G)	64Y2703	1
Hebrew (models 71G 75G 77G 79G)	64Y2705	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2710	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2711	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2712	1

7705 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2800	1
French (models)	64Y2801	1

7705 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
German (models)	64Y2802	1
Spanish (models)	64Y2803	1
Italian (models)	64Y2805	1
Japanese (models)	64Y6074	1
Hong Kong (models)	64Y2807	1
Korean (models)	64Y2804	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2808	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2809	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2810	1

7705 Vista Business 64 Recovery DVDs	FRU#	CRU
US English (models)	64Y2820	1
French (models)	64Y2821	1
German (models)	64Y2822	1
Japanese (models)	64Y6076	1
Simplified Chinese (models)	64Y2824	1

7705 Vista Ultimate 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2811	1
Japanese (models)	64Y6075	1
French (models)	64Y2812	1
German (models)	64Y2813	1
Spanish (models)	64Y2814	1
Italian (models)	64Y2815	1
Hong Kong - Traditional Chinese (models)	64Y2817	1
Arabic localized (models)	64Y2818	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2819	1

7705 Vista Starter 32 Recovery DVDs	FRU#	CRU
English (models)	TBD	1

Machine Type 7706
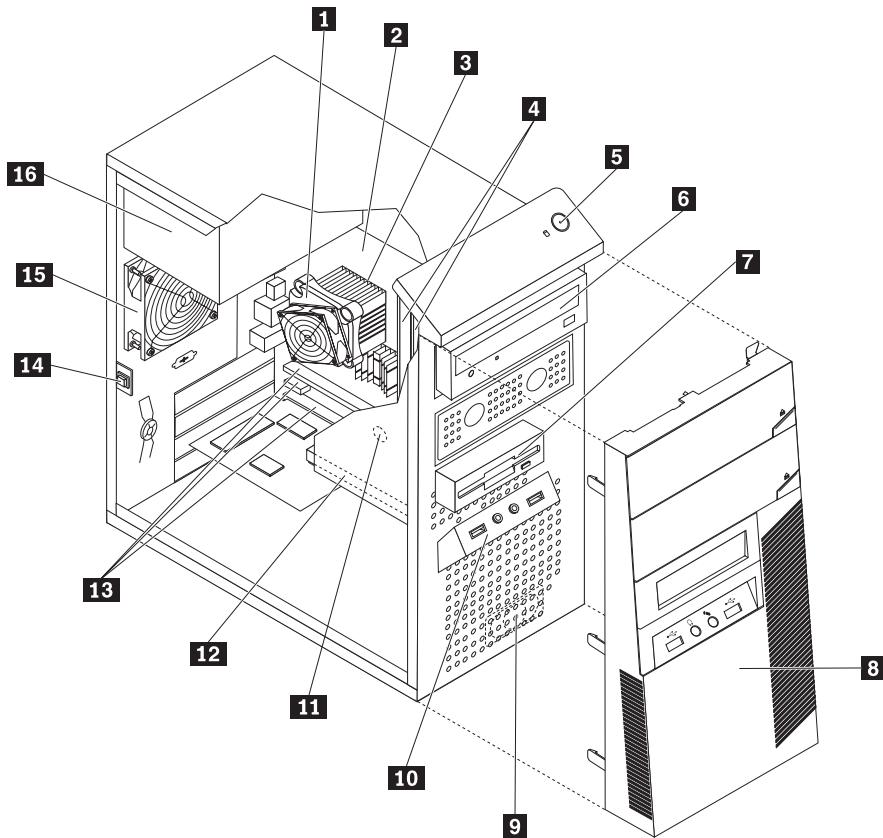
Item#	7706 FRUs	FRU#	CRU
1	Intel 95W/65W Heatsink (all models)	43N9409	2
1	Intel 65W heat sink (all models)	43N9708	2
2	System board, Intel G41 MATX(GA) non-AMT (models 91G 91M 91A 91Q 91C 91B 91K)	46R8891	N
3	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models)	53Y6653	N
3	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models)	53Y6654	N
3	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST, EM64T, EDB) 65W (models)	53Y9049	N
3	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST, EM64T, EDB) M0 65W (models)	53Y9051	N
3	Microprocessor, Q8300 Yorkfield 2.5GHZ, 1333MHz, 4M R-0 (ViiV, EIST, EM64T, EDB) 95W (models)	53Y6656	N
3	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W (models)	46R8640	N
3	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W (models)	45C7735	N
3	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W (models 91G 91M 91A 91Q 91C 91B 91K)	45C7736	N
3	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W (models)	45C7737	N
3	Microprocessor, E8190 2.66GHz 1333MHz FSB 6M C-0 - NON VT/Vpro 65W (models)	45R2568	N

Item#	7706 FRUs	FRU#	CRU
3	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W (models)	45R8337	N
3	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W (models)	46R1622	N
3	Microprocessor, E2180 Conroe-L 2.0GHz 800MHz FSB 1M (models)	45C1773	N
3	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M (models)	45C5349	N
3	Microprocessor, E2220 Conroe-L 2.4GHz 800MHz FSB 1M (models)	45C1774	N
3	Microprocessor, E5200 2.5G 800MHz 2M M-0 65W, 45nm (models)	46R9512	N
3	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W (models)	46R1655	N
3	Microprocessor, E1400 2.0GHz 800MHz FSB 512K - NPI M-0 65W (models)	45R8339	N
3	Microprocessor, E1200 1.6GHZ/800MHZ/512K M-0 65W (models)	45R8341	N
3	Microprocessor, Cel-430 Conroe-L 1.8GHz 800MHz FSB 512K (models)	43C1964	N
3	Microprocessor, Cel-440 Conroe-L 2.0GHz 800MHz FSB 512K (models)	43C1965	N
3	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W (models)	46R9514	N
3	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W (models)	46R8642	N
3	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W (models)	46R8644	N
3	Microprocessor, Q8200 2.33GHz 1333FSB 4M M-1 95W (models)	46R9516	N
3	Microprocessor, Q6700 2.66GHZ 1066FSB 8M G-0 Stepping Level, 95W (models)	43C6309	N
3	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W (models)	45C7739	N
3	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W (models)	45C7740	N
3	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W (models)	45C7741	N
3	Microprocessor, E5400 2.7G 800MHz 2MB 65W Non-vPro SKU (models)	64Y1075	N
4	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4255	1
4	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4256	1
4	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4257	1
4	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM (models)	41X1079	1
4	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G 91M 91A 91Q 91C 91B 91K)	41X1080	1
4	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM (models)	41X1081	1
6	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista (models)	41N3325	1
6	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista (models 91G 91M 91A 91Q 91C 91B 91K)	43C1042	1
6	Optical drive, Blu-ray Recorder / DVD Super Multi (models)	53Y7643	1
7	Diskette drive, 3.5" 1.44MB 2 Mode FDD with Bezel and cable (models)	40Y9107	1
7	Diskette drive, 3.5" 1.44MB 2 Mode FDD with Bezel and cable (models)	40Y9105	1
8	Front bezel assembly (all models)	43N9662	1
8	Front bezel with ODD door assembly (all models)	43N9694	2
9	Internal speaker 400mm -- Optional (all models)	43N9091	2
11	Battery 3V - Lithium (models 91G 91M 91A 91Q 91C 91B 91K)	45C1566	1
12	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB (models 91G 91M 91A 91Q 91C 91B 91K)	40Y9035	1
12	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB (models)	40Y9036	1
12	Hard disk drive, SATA 320GB 7200rpm SATA/8MB (models)	87H4891	1
12	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB (models)	41X5582	1

Item#	7706 FRUs	FRU#	CRU
12	Hard disk drive, 1TB 7200rpm SATA (models)	45C5973	1
12	Hard disk drive, 150G 10K rpm, SATA (models)	46R8893	1
14	Intrusion Switch Asm 475mm --Optional (all models)	39K5022	2
14	Intrusion Switch Asm (all models)	41R6116	2
15	System fan, rear (all models)	41R6269	2
16	Power supply, ATX 450W 80% power supply, Robust, WW, JP (models 91G 91M 91A 91Q 91C 91B 91K)	41A9721	2
16	Power supply, ATX 280W power supply, Robust, WW (models 91G 91M 91A 91Q 91C 91B 91K)	41A9684	2
16	Power supply, ATX 280W 80% power supply, Robust, WW, JP (models 91G 91M 91A 91Q 91C 91B 91K)	41A9665	2

The FRUs listed in the following tables are not illustrated.

7706 FRUs	FRU#	CRU
System fan, front fan used for 2X500G (all models)	43N9599	2
Shield, 5.25 EMC FOR 1st ODD Bay (all models)	41N8080	1
Cable - SATA 457 mm (RoHS) for ODD (all models)	43N9013	2
Cable - SATA, Second HDD, 120 mm, 1 latching for Device, RoHS (all models)	41R3328	2
Cable - SATA 250 mm (RoHS) for 1st HDD (all models)	43N9012	2
Second HDD Bracket Asm (all models)	41R6106	1
FDD EMC Shield (all models)	41N8078	1
Temp Sense Cable (6pin 460 mm) (all models)	45J9495	2
FDD Cable (all models)	41A7182	2
FDD Cable, 310 mm (all models)	41A7147	2
I/O Shield - Ace (all models)	41N8053	2
HDD Tray (all models)	41R6291	1
ODD/FDD/Cardreader Retainers (all models)	43N9351	1
Cable Clip, FW-6D (all models)	43N9462	2
Power switch cable, 760 mm (all models)	45J9512	2
Front I_O cable_R (all models)	45J9506	2
ODD door assembly (all models)	43N9663	1
No FDD cover assembly (all models)	43N9664	1
FDD/Cardreader cover (all models)	43N9665	1
USB cover (all models)	43N9666	1
Top handle assembly (all models)	43N9667	1
3.5'' Convert 2.5'' for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9593	2
Thermal Grease (all models)	91P8835	N

7706 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--US English (models 91G 91M 91A 91Q)	41A5289	1
USB FULL--Arabic (models 91G)	41A5290	1

7706 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--Arabic/French (models 91G)	41A5291	1
USB FULL--Belgium French (models 91G)	41A5292	1
USB FULL--Belgium English (models 91G)	41A5293	1
USB FULL--Brazilian Portuguese (models)	41A5294	1
USB FULL--Bulgarian (models 91G)	41A5295	1
USB FULL--Chinese/US (models 91B)	41A5296	1
USB FULL--Czech (ABB) (models 91G)	41A5297	1
USB FULL--Danish (models 91G)	41A5298	1
USB FULL--Dutch (models 91G)	41A5299	1
USB FULL--French (models 91G)	41A5300	1
USB FULL--French Canadian (models 91G)	41A5301	1
USB FULL--French Canadian (models 91G)	41A5302	1
USB FULL--German (models 91G)	41A5303	1
USB FULL--Greek (models 91G)	41A5304	1
USB FULL--Greek/US (models 91G)	41A5305	1
USB FULL--Hebrew (models 91G)	41A5306	1
USB FULL--Hungarian (models 91G)	41A5307	1
USB FULL--Iceland (models 91G)	41A5308	1
USB FULL--Italy (models 91G)	41A5309	1
USB FULL--Japanese (models)	41A5310	1
USB FULL--Korean (models 91K)	41A5311	1
USB FULL--LA Spanish (models)	41A5312	1
USB FULL--Norwegian (models 91G)	41A5313	1
USB FULL--Polish (models 91G)	41A5314	1
USB FULL--Portuguese (models 91G)	41A5315	1
USB FULL--Romanian (models 91G)	41A5317	1
USB FULL--Romanian (models 91G)	41A5316	1
USB FULL--Russian/Cyrillic (models 91G)	41A5318	1
USB FULL--Serbian/Cyrillic (models 91G)	41A5319	1
USB FULL--Slovak (models 91G)	41A5320	1
USB FULL--Spanish (models 91G)	41A5321	1
USB FULL--Swedish/Finnish (models 91G)	41A5322	1
USB FULL--Swiss French/German (models 91G)	41A5323	1
USB FULL--Thailand (models)	41A5324	1
USB FULL--Turkish (models 91G)	41A5325	1
USB FULL--Turkish (models 91G)	41A5326	1
USB FULL --UK English (models 91G)	41A5327	1
USB FULL--US Euro (models 91G)	41A5328	1
USB FULL--Slovenian (models 91G)	41A5329	1
USB FULL--Lithuanian (models 91G)	45J4896	1
USB FULL--Estonia (models CTO)	51J0059	1

7706 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
US English (models)	41R0038	1
Arabic (models)	41R0039	1
Arabic/French (models)	41R0040	1
Belgium French (models)	41R0041	1
Belgium English (models)	41R0042	1
Brazilian Portuguese (models)	41R0043	1
Bulgarian (models)	41R0044	1
Chinese/US (models)	41R0045	1
Czech (ABB) (models)	41R0046	1
Danish (models)	41R0047	1
Dutch (models)	41R0048	1
French (models)	41R0049	1
French Canadian (models)	41R0050	1
French Canadian (models)	41R0051	1
German (models)	41R0052	1
Greek (models)	41R0053	1
Greek/US (models)	41R0054	1
Hebrew (models)	41R0055	1
Hungarian (models)	41R0056	1
Iceland (models)	41R0057	1
Italian (models)	41R0058	1
Japanese (models)	41R0059	1
Korean (models)	41R0060	1
LA Spanish (models)	41R0061	1
Norwegian (models)	41R0062	1
Polish (models)	41R0063	1
Portuguese (models)	41R0064	1
Romanian (models)	41R0065	1
Romanian (models)	41R0066	1
Russian/Cyrillic (models)	41R0067	1
Serbian/Cyrillic (models)	41R0068	1
Slovak (models)	41R0069	1
Spanish (models)	41R0070	1
Swedish/Finnish (models)	41R0071	1
Swiss French/German (models)	41R0072	1
Thailand (models)	41R0073	1
Turkish (models)	41R0074	1
Turkish (models)	41R0075	1
UK English (models)	41R0076	1
US Euro (models)	41R0077	1

7706 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
Slovenian (models)	41R0078	1

7706 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--US English (models)	41A5039	1
PS/2 Full--Arabic (models)	41A5040	1
PS/2 Full--Arabic (New) (models)	45J4880	1
PS/2 Full--Arabic/French (models)	41A5041	1
PS/2 Full--Belgium French (models)	41A5042	1
PS/2 Full--Belgium English (models)	41A5043	1
PS/2 Full--Brazilian Portuguese (models)	41A5044	1
PS/2 Full--Bulgarian (models)	41A5045	1
PS/2 Full--Chinese/US (models)	41A5046	1
PS/2 Full--Czech (ABB) (models)	41A5047	1
PS/2 Full--Danish (models)	41A5048	1
PS/2 Full--Dutch (models)	41A5049	1
PS/2 Full--French (models)	41A5050	1
PS/2 Full--French Canadian (models)	41A5051	1
PS/2 Full--French Canadian (models)	41A5052	1
PS/2 Full--German (models)	41A5053	1
PS/2 Full--Greek (models)	41A5054	1
PS/2 Full--Greek/US (models)	41A5080	1
PS/2 Full--Hebrew (models)	41A5055	1
PS/2 Full--Hungarian (models)	41A5056	1
PS/2 Full--Iceland (models)	41A5057	1
PS/2 Full--Italian (models)	41A5058	1
PS/2 Full--Japanese (models)	41A5059	1
PS/2 Full--Korean (models)	41A5060	1
PS/2 Full--LA Spanish (models)	41A5061	1
PS/2 Full--Norwegian (models)	41A5062	1
PS/2 Full--Polish (models)	41A5063	1
PS/2 Full--Portuguese (models)	41A5064	1
PS/2 Full--Romanian (models)	41A5065	1
PS/2 Full--Russian/Cyrillic (models)	41A5066	1
PS/2 Full--Serbian/Cyrillic (models)	41A5067	1
PS/2 Full--Slovak (models)	41A5068	1
PS/2 Full--Spanish (models)	41A5069	1
PS/2 Full--Swedish/Finnish (models)	41A5070	1
PS/2 Full--Swiss French/German (models)	41A5071	1
PS/2 Full--Thailand (models)	41A5072	1
PS/2 Full--Turkish (models)	41A5073	1
PS/2 Full--Turkish (models)	41A5074	1

7706 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--UK English (models)	41A5075	1
PS/2 Full--US Euro (models)	41A5076	1
PS/2 Full--Slovenian (models)	41A5077	1

7706 Mice	FRU#	CRU
Optical Wheel Mouse OPT (400DPI, USB) (models 91G 91M 91A 91Q 91C 91B 91K)	41U3013	1
Optical Wheel Mouse OPT (400DPI, USB) (models 91G 91M 91A 91Q 91C 91B 91K)	41U3030	1
PS/2 Three button ball mouse scrollpoint (41R0017) (models)	41R0018	1

7706 Adapters and miscellaneous FRUs	FRU#	CRU
Internal 25 in 1 USB Memory Card Reader (models)	45R8139	1
IEEE 1394 Firewire Adapter ATX (models)	41D2781	1
Speaker power brick - US, Canada, LA low voltage, ASEAN (models)	89P8571	1
Speaker power brick - LA high voltage (non-APU) (models)	89P8575	1
Speaker power brick - Simplified Chinese, Thailand EMEA (models 91G 91C)	89P8581	1
Speaker power brick - Japanese (models)	89P8577	1
Speaker power brick - Brazil (models)	89P8583	1
Speaker power brick - Argentina (models)	41A4901	1
Speaker power brick - ANZ (models 91M)	89P8579	1
Speaker power brick - Korea (models)	41A4903	1
Speaker power brick - Hong Kong, EMEA, Ireland (models 91G)	89P8573	1
Speaker power brick -Taiwan-Traditional Chinese (models)	41A4905	1
Speaker power brick - India, South Africa (models 91Q)	89P8585	1
2-pc external speaker--primary (models)	41A5331	1
2-pc external speaker-secondary (models)	41A5334	1
DVI-I(M)-VGA(F) cord (models)	41R3342	1
Geforce 9500GT GDDR3 512MB - DVI+HDMI+DP (models)	46R1524	1
ATI HD3470 GDDR3 256MB - VGA+DP (models)	46R1521	1
ADD2 DVI-D Adapter, (HDCP) DVD-D connection Adapter Low Profile (Silicon Image) (models)	43C0258	1
DisplayPort to DVI-D Dongle (models)	43N9160	1
DisplayPort to VGA Dongle (models)	45J9524	1
Modem phone cable (models)	39K5120	1
LI300mm Rear USB 2Ports II HP® (models)	42Y8005	2
LI350mm Rear Com2 cable II mini® (models)	41R8548	2
NVIDIA G100 DDR2 256MB ATX - DVI-I+VGA (models CTO)	53Y9249	1
Soft Modem V.90/V.44 ATX (models)	46R4220	1

7706 Power Cords (Primary)	FRU #	CRU
Power cord - US (models 91A)	41R3184	1
Power cord - China (models 91C)	41R3256	1

7706 Power Cords (Primary)	FRU #	CRU
Power Cord - Japanese and Japanese English (models)	41R3248	1
Power cord - Brazil (models)	41R3270	1
Power cord - LA High Volt (APU) (models)	41R3176	1
Power cord - Australia / New Zealand (models)	41R3196	1
Power cord - Korea (models)	41R3260	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91B)	41R3224	1
Power cord - Taiwan (models)	41R3278	1
Power cord - Italy (models)	41R3232	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91A)	41R3208	1
Power cord - Denmark (models 91G)	41R3212	1
Power cord - Switzerland (models 91G)	41R3228	1
Power cord - Israel (models 91G)	41R3236	1
Power cord - South Africa (models 91G 91M 91A)	41R3220	1
Power cord - India (models 91Q)	41R3341	1
Power cord - Thailand (models)	43N9029	1

7706 Power Cords (Secondary)	FRU#	CRU
Power cord - US (models 91A)	41R3185	1
Power cord - China (models 91C)	41R3257	1
Power Cord - Japanese and Japanese English (models)	41R3249	1
Power cord - Brazil (models)	41R3271	1
Power cord - LA High Volt (APU) (models)	41R3177	1
Power cord - Australia / New Zealand (models)	41R3197	1
Power cord - Korea (models)	41R3261	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91B)	41R3225	1
Power cord - Taiwan (models)	41R3279	1
Power cord - Italy (models)	41R3233	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91A)	41R3209	1
Power cord - Denmark (models 91G)	41R3213	1
Power cord - Switzerland (models 91G)	41R3229	1
Power cord - Israel (models 91G)	41R3237	1
Power cord - South Africa (models 91G 91M 91A)	41R3221	1
Power cord - India (models 91Q)	41R3175	1
Power cord - Thailand (models)	43N9030	1
Power cord - Y cable for Brazil (models)	43N9044	1

7706 Windows XP Home Recovery CDs	FRU#	CRU
US English/UK/Asia Pacific (models)	TBD	1

7706 Windows XP Home Recovery CDs	FRU#	CRU
French/French Canadian (models)	TBD	1
Greek (models)	TBD	1
Italy (models)	TBD	1
Brazilian (models)	TBD	1
Spanish/LA (models)	TBD	1
Danish (models)	TBD	1
Dutch (models)	TBD	1
Arabic (models)	TBD	1
Swedish (models)	TBD	1
Hebrew (models)	TBD	1
Finnish (models)	TBD	1
Norwegian (models)	TBD	1
Polish (models)	TBD	1
Portuguese (models)	TBD	1
Russian (models)	TBD	1
Russian English (models)	TBD	1
Hungarian (models)	TBD	1
Czech (models)	TBD	1
Turkish native (models)	TBD	1
Greek (models)	TBD	1
Japanese (models)	TBD	1
Simplified Chinese (models)	TBD	1
Taiwan-TC (models)	TBD	1
Hong Kong-TC (models)	TBD	1
Korean (models)	TBD	1

7706 Windows XP Pro Recovery CDs	FRU#	CRU
US English (models)	64Y5685	1
French (models)	64Y5686	1
German (models)	64Y5687	1
Italian (models)	64Y5690	1
Brazilian Portuguese (models)	64Y5689	1
Spanish (models)	64Y5688	1
Danish (models)	64Y5694	1
Dutch (models)	64Y5695	1
Arabic (models)	64Y5699	1
Swedish (models)	64Y5693	1
Hebrew (models)	63Y8286	1
Finnish (models)	64Y5697	1
Norwegian (models)	64Y5692	1
Polish (models)	64Y5698	1

7706 Windows XP Pro Recovery CDs	FRU#	CRU
Portuguese (models)	63Y8294	1
Russian (models)	64Y5700	1
Russian English (models)	63Y8290	1
Hungarian (models)	63Y8292	1
Czech (models)	64Y5696	1
Turkish (models)	64Y5701	1
Greek (models)	64Y5702	1
Slovenian (models)	63Y8295	1
Japanese (models)	64Y6068	1
Simplified Chinese (models)	64Y5703	1
Taiwan-TC (models)	64Y5704	1
Hong Kong-TC (models)	64Y5705	1
Korea (models)	63Y8299	1
MUI Nordics (EN-DK-FI-NO-SV) (models)	64Y4801	1
MUI Switz (US EN-FR -GR-IT) (models)	64Y4802	1
MUI Bel-Lux (EN-FR-GR-NL) (models)	64Y4803	1

7706 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2771	1
French (models)	64Y2773	1
German (models)	64Y2774	1
Spanish (models)	64Y2775	1
Brazilian (models)	64Y2776	1
Italian (models)	64Y2777	1
Japanese (models)	64Y6073	1
Dutch (models)	64Y2791	1
Czech (models)	64Y2778	1
Polish (models)	64Y2779	1
Russian (models)	64Y2780	1
Turkish (models)	64Y2781	1
Hungarian (models)	64Y2782	1
Greek (models)	64Y2783	1
Portuguese (models)	64Y2794	1
Simplified Chinese (models)	64Y2785	1
Hong Kong (models)	64Y2787	1
Traditional Chinese (models)	64Y2786	1
Korean (models)	64Y2788	1
Slovenian (models)	64Y2789	1
Russian English (models)	64Y2772	1
Hebrew (models)	64Y2792	1
Arabic Localized (models)	64Y2790	1

7706 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
Slovakian (models)	64Y2796	1
Romanian (models)	64Y2793	1
Serbian-Latin (models)	64Y2795	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2797	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2798	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2799	1

7706 Vista Business 32 Recovery DVDs	FRU#	CRU
US English (models 91G 91M 91A 91Q)	64Y2684	1
French (models 91G)	64Y2686	1
German (models 91G)	64Y2687	1
Spanish (models 91G)	64Y2688	1
Brazilian Portuguese (models)	64Y2689	1
Italian (models 91G)	64Y2690	1
Japanese (models)	64Y6071	1
Dutch (models 91G)	64Y2704	1
Czech (models)	64Y2691	1
Polish (models 91G)	64Y2692	1
Russian (models 91G)	64Y2693	1
Turkish (models 91G)	64Y2694	1
Hungarian (models 91G)	64Y2695	1
Greek (models 91G)	64Y2696	1
Portuguese (models)	64Y2707	1
Simplified Chinese (models 91C)	64Y2698	1
Traditional Chinese (models 91B)	64Y2699	1
Hong Kong (models 91B)	64Y2700	1
Korean (models 91K)	64Y2701	1
Slovenian (models 91G)	64Y2702	1
Russian English (models 91G)	64Y2685	1
Romanian (models 91G)	64Y2706	1
Serbian-Latin (models 91G)	64Y2708	1
Slovakian (models 91G)	64Y2709	1
Arabic Localized (models 91G)	64Y2703	1
Hebrew (models 91G)	64Y2705	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2710	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2711	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2712	1

7706 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2800	1
French (models)	64Y2801	1

7706 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
German (models)	64Y2802	1
Spanish (models)	64Y2803	1
Italian (models)	64Y2805	1
Japanese (models)	64Y6074	1
Hong Kong (models)	64Y2807	1
Korean (models)	64Y2804	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2808	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2809	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2810	1

7706 Vista Business 64 Recovery DVDs	FRU#	CRU
US English (models)	64Y2820	1
French (models)	64Y2821	1
German (models)	64Y2822	1
Japanese (models)	64Y6076	1
Simplified Chinese (models)	64Y2824	1

7706 Vista Ultimate 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2811	1
Japanese (models)	64Y6075	1
French (models)	64Y2812	1
German (models)	64Y2813	1
Spanish (models)	64Y2814	1
Italian (models)	64Y2815	1
Hong Kong - Traditional Chinese (models)	64Y2817	1
Arabic localized (models)	64Y2818	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2819	1

7706 Vista Starter 32 Recovery DVDs	FRU#	CRU
English (models)	TBD	1

Machine Type 7715
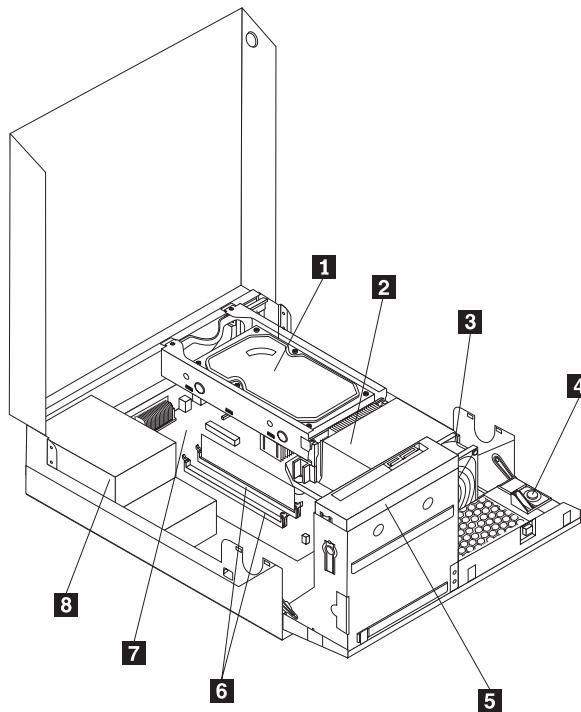
Item#	7715 FRUs	FRU#	CRU
1	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB (models 91G 91M 91A 91Q 91C 91B 91K)	40Y9035	1
1	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB (models)	40Y9036	1
1	Hard disk drive, SATA 320GB 7200rpm SATA/8MB (models)	87H4891	1
1	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB (models)	41X5582	1
1	Hard disk drive, 1TB 7200rpm SATA (models)	45C5973	1
1	Hard disk drive, 150G 10K rpm, SATA (models)	46R8893	1
2	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models)	53Y6653	N
2	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models)	53Y6654	N
2	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST, EM64T, EDB) 65W (models)	53Y9049	N
2	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST, EM64T, EDB) M0 65W (models)	53Y9051	N
2	Microprocessor, Q8300 Yorkfield 2.5GHZ, 1333MHz, 4M R-0 (ViiV, EIST, EM64T, EDB) 95W (models)	53Y6656	N
2	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W (models)	46R8640	N
2	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W (models)	45C7735	N
2	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W (models 91G 91M 91A 91Q 91C 91B 91K)	45C7736	N
2	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W (models)	45C7737	N
2	Microprocessor, E8190 2.66GHz 1333MHz FSB 6M C-0 - NON VT/Vpro 65W (models)	45R2568	N

Item#	7715 FRUs	FRU#	CRU
2	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W (models)	45R8337	N
2	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W (models)	46R1622	N
2	Microprocessor, E2180 Conroe-L 2.0GHz 800MHz FSB 1M (models)	45C1773	N
2	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M (models)	45C5349	N
2	Microprocessor, E2220 Conroe-L 2.4GHz 800MHz FSB 1M (models)	45C1774	N
2	Microprocessor, E5200 2.5G 800MHz 2M M-0 65W, 45nm (models)	46R9512	N
2	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W (models)	46R1655	N
2	Microprocessor, E1400 2.0GHz 800MHz FSB 512K - NPI M-0 65W (models)	45R8339	N
2	Microprocessor, E1200 1.6GHZ/800MHZ/512K M-0 65W (models)	45R8341	N
2	Microprocessor, Cel-430 Conroe-L 1.8GHz 800MHz FSB 512K (models)	43C1964	N
2	Microprocessor, Cel-440 Conroe-L 2.0GHz 800MHz FSB 512K (models)	43C1965	N
2	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W (models)	46R9514	N
2	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W (models)	46R8642	N
2	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W (models)	46R8644	N
2	Microprocessor, Q8200 2.33GHz 1333FSB 4M M-1 95W (models)	46R9516	N
2	Microprocessor, Q6700 2.66GHZ 1066FSB 8M G-0 Stepping Level, 95W (models)	43C6309	N
2	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W (models)	45C7739	N
2	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W (models)	45C7740	N
2	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W (models)	45C7741	N
2	Microprocessor, E5400 2.7G 800MHz-2MB 65W Non-vPro SKU (models)	64Y1075	N
3	95W heat sink kit with RM (all models)	41R6454	2
3	65W heat sink kit with RM (all models)	43N9349	2
4	Internal speaker 254 mm - optional (all models)	39K5012	2
5	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista (models 91G 91M 91A 91Q 91C 91B 91K)	41N3325	1
5	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista (models)	43C1042	1
6	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4255	1
6	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4256	1
6	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4257	1
6	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM (models)	41X1079	1
6	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G 91M 91A 91Q 91C 91B 91K)	41X1080	1
6	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM (models)	41X1081	1
7	System board, Intel G41 BTX(GA) non-AMT (models 91G 91M 91A 91Q 91C 91B 91K)	46R8892	N
8	Power supply, 280W Active PFC power supply (Auto sensing) for 10L---Robust, ww, JP (models 91G 91M 91A 91Q 91C 91B 91K)	41A9701	N
8	Power supply, 280W 85+ power supply for 10L---Robust, ww, JP (models 91G 91M 91A 91Q 91C 91B 91K)	41A9742	N

The FRUs listed in the following tables are not illustrated.

7715 FRUs	FRU#	CRU
Battery 3V - Lithium (models 91G 91M 91A 91Q 91C 91B 91K)	45C1566	1
Cable - SATA 250 mm (RoHS) for 1st HDD (all models)	43N9012	2
Cable - SATA 600mm (RoHS) (all models)	45J9579	2
Cable - SATA 700 mm (RoHS) for ODD / Second HDD (all models)	43N9011	2
C2 Intrusion Switch 260 mm (all models)	43N9080	2
Rear IO shield BTX (all models)	41R6381	N
Temp Sense Cable (165 mm) (all models)	43N9079	2
Air Deflector, recycle resin (all models)	43N9610	2
HDD Tray ASM (all models)	43N9595	1
Front cage ASM (all models)	43N9596	N
Front cage ASM (all models)	43N9647	N
Cable, Front I_O cable_R (10L_U380_A550)_ESD (all models)	45J9509	2
Models with 3.5'' Convert 2.5'' for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9645	2
3.5'' Convert 2.5'' for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9593	2
Universal Adapter Bracket 5.25 to 3.5 607CT (all models)	43N9676	2
Top cover ASM (all models)	43N9594	1
Cable, LED/Switch cable_R (10L_220 mm_PCBA) (all models)	45J9515	2
NO ODD, EMI Shielding (all models)	43N9641	1
Card reader bezel, 607CT (all models)	43N9642	1
Non-Card reader bezel, 607CT (all models)	43N9643	1
Vertical Stand (all models)	43N9644	1
Front bezel ASM (all models)	43N9677	1
Chassis (all models)	43N9649	N
Rubber foot for vertical (all models)	43N9727	1
Rubber foot for horizontal (all models)	43N9728	1
Thermal Grease (all models)	91P8835	N

7715 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--US English (models 91G 91M 91A 91Q)	41A5289	1
USB FULL--Arabic (models 91G)	41A5290	1
USB FULL--Arabic/French (models 91G)	41A5291	1
USB FULL--Belgium French (models 91G)	41A5292	1
USB FULL--Belgium English (models 91G)	41A5293	1
USB FULL--Brazilian Portuguese (models)	41A5294	1
USB FULL--Bulgarian (models 91G)	41A5295	1
USB FULL--Chinese/US (models 91B)	41A5296	1
USB FULL--Czech (ABB) (models 91G)	41A5297	1
USB FULL--Danish (models 91G)	41A5298	1
USB FULL--Dutch (models 91G)	41A5299	1
USB FULL--French (models 91G)	41A5300	1
USB FULL--French Canadian (models 91G)	41A5301	1

7715 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--French Canadian (models 91G)	41A5302	1
USB FULL--German (models 91G)	41A5303	1
USB FULL--Greek (models 91G)	41A5304	1
USB FULL--Greek/US (models 91G)	41A5305	1
USB FULL--Hebrew (models 91G)	41A5306	1
USB FULL--Hungarian (models 91G)	41A5307	1
USB FULL--Iceland (models 91G)	41A5308	1
USB FULL--Italy (models 91G)	41A5309	1
USB FULL--Japanese (models)	41A5310	1
USB FULL--Korean (models 91K)	41A5311	1
USB FULL--LA Spanish (models)	41A5312	1
USB FULL--Norwegian (models 91G)	41A5313	1
USB FULL--Polish (models 91G)	41A5314	1
USB FULL--Portuguese (models 91G)	41A5315	1
USB FULL--Romanian (models 91G)	41A5317	1
USB FULL--Romanian (models 91G)	41A5316	1
USB FULL--Russian/Cyrillic (models 91G)	41A5318	1
USB FULL--Serbian/Cyrillic (models 91G)	41A5319	1
USB FULL--Slovak (models 91G)	41A5320	1
USB FULL--Spanish (models 91G)	41A5321	1
USB FULL--Swedish/Finnish (models 91G)	41A5322	1
USB FULL--Swiss French/German (models 91G)	41A5323	1
USB FULL--Thailand (models)	41A5324	1
USB FULL--Turkish (models 91G)	41A5325	1
USB FULL--Turkish (models 91G)	41A5326	1
USB FULL --UK English (models 91G)	41A5327	1
USB FULL--US Euro (models 91G)	41A5328	1
USB FULL--Slovenian (models 91G)	41A5329	1
USB FULL--Arabic (New) (models 91G)	45J4880	1
USB FULL--Lithuanian (models 91G)	45J4896	1
USB FULL--Estonia (models CTO)	51J0059	1

7715 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
US English (models)	41R0038	1
Arabic (models)	41R0039	1
Arabic/French (models)	41R0040	1
Belgium French (models)	41R0041	1
Belgium English (models)	41R0042	1
Brazilian Portuguese (models)	41R0043	1
Bulgarian (models)	41R0044	1
Chinese/US (models)	41R0045	1

7715 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
Czech (ABB) (models)	41R0046	1
Danish (models)	41R0047	1
Dutch (models)	41R0048	1
French (models)	41R0049	1
French Canadian (models)	41R0050	1
French Canadian (models)	41R0051	1
German (models)	41R0052	1
Greek (models)	41R0053	1
Greek/US (models)	41R0054	1
Hebrew (models)	41R0055	1
Hungarian (models)	41R0056	1
Iceland (models)	41R0057	1
Italian (models)	41R0058	1
Japanese (models)	41R0059	1
Korean (models)	41R0060	1
LA Spanish (models)	41R0061	1
Norwegian (models)	41R0062	1
Polish (models)	41R0063	1
Portuguese (models)	41R0064	1
Romanian (models)	41R0065	1
Romanian (models)	41R0066	1
Russian/Cyrillic (models)	41R0067	1
Serbian/Cyrillic (models)	41R0068	1
Slovak (models)	41R0069	1
Spanish (models)	41R0070	1
Swedish/Finnish (models)	41R0071	1
Swiss French/German (models)	41R0072	1
Thailand (models)	41R0073	1
Turkish (models)	41R0074	1
Turkish (models)	41R0075	1
UK English (models)	41R0076	1
US Euro (models)	41R0077	1
Slovenian (models)	41R0078	1

7715 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--US English (models)	41A5039	1
PS/2 Full--Arabic (models)	41A5040	1
PS/2 Full--Arabic/French (models)	41A5041	1
PS/2 Full--Belgium French (models)	41A5042	1
PS/2 Full--Belgium English (models)	41A5043	1
PS/2 Full--Brazilian Portuguese (models)	41A5044	1

7715 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--Bulgarian (models)	41A5045	1
PS/2 Full--Chinese/US (models)	41A5046	1
PS/2 Full--Czech (ABB) (models)	41A5047	1
PS/2 Full--Danish (models)	41A5048	1
PS/2 Full--Dutch (models)	41A5049	1
PS/2 Full--French (models)	41A5050	1
PS/2 Full--French Canadian (models)	41A5051	1
PS/2 Full--French Canadian (models)	41A5052	1
PS/2 Full--German (models)	41A5053	1
PS/2 Full--Greek (models)	41A5054	1
PS/2 Full--Greek/US (models)	41A5080	1
PS/2 Full--Hebrew (models)	41A5055	1
PS/2 Full--Hungarian (models)	41A5056	1
PS/2 Full--Iceland (models)	41A5057	1
PS/2 Full--Italian (models)	41A5058	1
PS/2 Full--Japanese (models)	41A5059	1
PS/2 Full--Korean (models)	41A5060	1
PS/2 Full--LA Spanish (models)	41A5061	1
PS/2 Full--Norwegian (models)	41A5062	1
PS/2 Full--Polish (models)	41A5063	1
PS/2 Full--Portuguese (models)	41A5064	1
PS/2 Full--Romanian (models)	41A5065	1
PS/2 Full--Russian/Cyrillic (models)	41A5066	1
PS/2 Full--Serbian/Cyrillic (models)	41A5067	1
PS/2 Full--Slovak (models)	41A5068	1
PS/2 Full--Spanish (models)	41A5069	1
PS/2 Full--Swedish/Finnish (models)	41A5070	1
PS/2 Full--Swiss French/German (models)	41A5071	1
PS/2 Full--Thailand (models)	41A5072	1
PS/2 Full--Turkish (models)	41A5073	1
PS/2 Full--Turkish (models)	41A5074	1
PS/2 Full--UK English (models)	41A5075	1
PS/2 Full--US Euro (models)	41A5076	1
PS/2 Full--Slovenian (models)	41A5077	1

7715 Mice	FRU#	CRU
Optical Wheel Mouse OPT (400DPI, USB) (models 91G 91M 91A 91Q 91C 91B 91K)	41U3013	1
Optical Wheel Mouse OPT (400DPI, USB) (models 91G 91M 91A 91Q 91C 91B 91K)	41U3030	1
PS/2 Three button ball mouse scrollpoint (41R0017) (models)	41R0018	1

7715 Adapters and miscellaneous FRUs	FRU#	CRU
Internal 25 in 1 USB Memory Card Reader Slim (models)	46R1529	1
IEEE 1394 Firewire Adapter (models)	41D2781	1
Soft Modem V.90/V.44 (models)	46R4220	1
Speaker power brick - US, Canada, LA low voltage, ASEAN (models)	89P8571	1
Speaker power brick - LA high voltage (non-APU) (models)	89P8575	1
Speaker power brick - Simplified Chinese, Thailand EMEA (models 91G 91C)	89P8581	1
Speaker power brick - Japanese (models)	89P8577	1
Speaker power brick - Brazil (models)	89P8583	1
Speaker power brick - Argentina (models)	41A4901	1
Speaker power brick - ANZ (models 91M)	89P8579	1
Speaker power brick - Korea (models)	41A4903	1
Speaker power brick - Hong Kong, EMEA, Ireland (models 91G)	89P8573	1
Speaker power brick -Taiwan-Traditional Chinese (models)	41A4905	1
Speaker power brick - India, South Africa (models 91Q)	89P8585	1
2-pc external speaker--primary (models)	41A5331	1
2-pc external speaker-secondary (models)	41A5334	1
DVI-I(M)-VGA(F) cord (models)	41R3342	1
ATI HD3470 GDDR3 256MB - VGA+DP (models)	46R1521	1
ADD2 DVI-D Adapter, (HDCP) DVD-D connection Adapter Low Profile (Silicon Image) (models)	43C0258	1
DisplayPort to DVI-D Dongle (models)	43N9160	1
DisplayPort to VGA Dongle (models)	45J9524	1
Modem phone cable (models)	39K5120	1
LI140mm Rear Com2 cable II mini® (models)	43N9062	2
Rear USB 2 Ports II LP® 350 mm (models)	43N9124	2
NVIDIA G100 DDR2 256MB LP - DVI-I (With DVI-I to VGA Dongle) (models)	53Y9341	1

7715 Power Cords (Primary)	FRU #	CRU
Power cord - US (models 91A)	41R3184	1
Power cord - China (models 91C)	41R3256	1
Power Cord - Japanese and Japanese English (models)	41R3248	1
Power cord - Brazil (models)	41R3270	1
Power cord - LA High Volt (APU) (models)	41R3176	1
Power cord - Australia / New Zealand (models)	41R3196	1
Power cord - Korea (models)	41R3260	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91B)	41R3224	1
Power cord - Taiwan (models)	41R3278	1
Power cord - Italy (models)	41R3232	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91A)	41R3208	1
Power cord - Denmark (models 91G)	41R3212	1

7715 Power Cords (Primary)	FRU #	CRU
Power cord - Switzerland (models 91G)	41R3228	1
Power cord - Israel (models 91G)	41R3236	1
Power cord - South Africa (models 91G 91M 91A)	41R3220	1
Power cord - India (models 91Q)	41R3341	1
Power cord - Thailand (models)	43N9029	1

7715 Power Cords (Secondary)	FRU#	CRU
Power cord - US (models 91A)	41R3185	1
Power cord - China (models 91C)	41R3257	1
Power Cord - Japanese and Japanese English (models)	41R3249	1
Power cord - Brazil (models)	41R3271	1
Power cord - LA High Volt (APU) (models)	41R3177	1
Power cord - Australia / New Zealand (models)	41R3197	1
Power cord - Korea (models)	41R3261	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91B)	41R3225	1
Power cord - Taiwan (models)	41R3279	1
Power cord - Italy (models)	41R3233	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91A)	41R3209	1
Power cord - Denmark (models 91G)	41R3213	1
Power cord - Switzerland (models 91G)	41R3229	1
Power cord - Israel (models 91G)	41R3237	1
Power cord - South Africa (models 91G 91M 91A)	41R3221	1
Power cord - India (models 91Q)	41R3175	1
Power cord - Thailand (models)	43N9030	1
Power cord - Y cable for Brazil (models)	43N9044	1

7715 Windows XP Home Recovery CDs	FRU#	CRU
US English/UK/Asia Pacific (models)	TBD	1
French/French Canadian (models)	TBD	1
Greek (models)	TBD	1
Italy (models)	TBD	1
Brazilian (models)	TBD	1
Spanish/LA (models)	TBD	1
Danish (models)	TBD	1
Dutch (models)	TBD	1
Arabic (models)	TBD	1
Swedish (models)	TBD	1
Hebrew (models)	TBD	1
Finnish (models)	TBD	1

7715 Windows XP Home Recovery CDs	FRU#	CRU
Norwegian (models)	TBD	1
Polish (models)	TBD	1
Portuguese (models)	TBD	1
Russian (models)	TBD	1
Russian English (models)	TBD	1
Hungarian (models)	TBD	1
Czech (models)	TBD	1
Turkish native (models)	TBD	1
Greek (models)	TBD	1
Japanese (models)	TBD	1
Simplified Chinese (models)	TBD	1
Taiwan-TC (models)	TBD	1
Hong Kong-TC (models)	TBD	1
Korean (models)	TBD	1

7715 Windows XP Pro Recovery CDs	FRU#	CRU
US English (models)	64Y5685	1
French (models)	64Y5686	1
German (models)	64Y5687	1
Italian (models)	64Y5690	1
Brazilian Portuguese (models)	64Y5689	1
Spanish (models)	64Y5688	1
Danish (models)	64Y5694	1
Dutch (models)	64Y5695	1
Arabic (models)	64Y5699	1
Swedish (models)	64Y5693	1
Hebrew (models)	63Y8286	1
Finnish (models)	64Y5697	1
Norwegian (models)	64Y5692	1
Polish (models)	64Y5698	1
Portuguese (models)	63Y8294	1
Russian (models)	64Y5700	1
Russian English (models)	63Y8290	1
Hungarian (models)	63Y8292	1
Czech (models)	64Y5696	1
Turkish (models)	64Y5701	1
Greek (models)	64Y5702	1
Slovenian (models)	63Y8295	1
Japanese (models)	64Y6068	1
Simplified Chinese (models)	64Y5703	1
Taiwan-TC (models)	64Y5704	1

7715 Windows XP Pro Recovery CDs	FRU#	CRU
Hong Kong-TC (models)	64Y5705	1
Korean (models)	63Y8299	1
MUI Nordics (EN-DK-FI-NO-SV) (models)	64Y4801	1
MUI Switz (EN-FR-GR-IT) (models)	64Y4802	1
MUI Bel-Lux (EN-FR-GR-NL) (models)	64Y4803	1

7715 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2771	1
French (models)	64Y2773	1
German (models)	64Y2774	1
Spanish (models)	64Y2775	1
Brazilian (models)	64Y2776	1
Italian (models)	64Y2777	1
Japanese (models)	64Y6073	1
Dutch (models)	64Y2791	1
Czech (models)	64Y2778	1
Polish (models)	64Y2779	1
Russian (models)	64Y2780	1
Turkish (models)	64Y2781	1
Hungarian (models)	64Y2782	1
Greek (models)	64Y2783	1
Portuguese (models)	64Y2794	1
Simplified Chinese (models)	64Y2785	1
Hong Kong (models)	64Y2787	1
Traditional Chinese (models)	64Y2786	1
Korean (models)	64Y2788	1
Slovenian (models)	64Y2789	1
Russian English (models)	64Y2772	1
Hebrew (models)	64Y2792	1
Arabic Localized (models)	64Y2790	1
Slovakian (models)	64Y2796	1
Romanian (models)	64Y2793	1
Serbian-Latin (models)	64Y2795	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2797	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2798	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2799	1

7715 Vista Business 32 Recovery DVDs	FRU#	CRU
US English (models 91G 91M 91A 91Q)	64Y2684	1
French (models 91G)	64Y2686	1
German (models 91G)	64Y2687	1

7715 Vista Business 32 Recovery DVDs	FRU#	CRU
Spanish (models 91G)	64Y2688	1
Brazilian Portuguese (models)	64Y2689	1
Italian (models 91G)	64Y2690	1
Japanese (models)	64Y6071	1
Dutch (models 91G)	64Y2704	1
Czech (models)	64Y2691	1
Polish (models 91G)	64Y2692	1
Russian (models 91G)	64Y2693	1
Turkish (models 91G)	64Y2694	1
Hungarian (models 91G)	64Y2695	1
Greek (models 91G)	64Y2696	1
Portuguese (models)	64Y2707	1
Simplified Chinese (models 91C)	64Y2698	1
Traditional Chinese (models 91B)	64Y2699	1
Hong Kong (models 91B)	64Y2700	1
Korean (models 91K)	64Y2701	1
Slovenian (models 91G)	64Y2702	1
Russian English (models 91G)	64Y2685	1
Romanian (models 91G)	64Y2706	1
Serbian-Latin (models 91G)	64Y2708	1
Slovakian (models 91G)	64Y2709	1
Arabic Localized (models 91G)	64Y2703	1
Hebrew (models 91G)	64Y2705	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2710	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2711	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2712	1

7715 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2800	1
French (models)	64Y2801	1
German (models)	64Y2802	1
Spanish (models)	64Y2803	1
Italian (models)	64Y2805	1
Japanese (models)	64Y6074	1
Hong Kong (models)	64Y2807	1
Korean (models)	64Y2804	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2808	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2809	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2810	1

7715 Vista Business 64 Recovery DVDs	FRU#	CRU
US English (models)	64Y2820	1
French (models)	64Y2821	1
German (models)	64Y2822	1
Japanese (models)	64Y6076	1
Simplified Chinese (models)	64Y2824	1

7715 Vista Ultimate 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2811	1
Japanese (models)	64Y6075	1
French (models)	64Y2812	1
German (models)	64Y2813	1
Spanish (models)	64Y2814	1
Italian (models)	64Y2815	1
Hong Kong - Traditional Chinese (models)	64Y2817	1
Arabic localized (models)	64Y2818	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2819	1

7715 Vista Starter 32 Recovery DVDs	FRU#	CRU
English (models)	TBD	1

Machine Type 7717

Item#	7717 FRUs	FRU#	CRU
1	Intel 95W/65W Heatsink (all models)	43N9409	2
1	Intel 65W heat sink (all models)	43N9708	2
2	System board, Intel G41 MATX(GA) non-AMT (models 91G)	46R8891	N
3	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91G)	53Y6653	N
3	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91G)	53Y6654	N
3	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST, EM64T, EDB) 65W (models 91G)	53Y9049	N
3	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST, EM64T, EDB) M0 65W (models 91G)	53Y9051	N
3	Microprocessor, Q8300 Yorkfield 2.5GHZ, 1333MHz, 4M R-0 (ViiV, EIST, EM64T, EDB) 95W (models 91G)	53Y6656	N
3	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W (models 91G)	46R8640	N
3	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W (models 91G)	45C7735	N
3	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W (models 91G)	45C7736	N
3	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W (models 91G)	45C7737	N
3	Microprocessor, E8190 2.66GHz 1333MHz FSB 6M C-0 - NON VT/Vpro 65W (models 91G)	45R2568	N
3	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W (models 91G)	45R8337	N

Item#	7717 FRUs	FRU#	CRU
3	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W (models 91G)	46R1622	N
3	Microprocessor, E2180 Conroe-L 2.0GHz 800MHz FSB 1M (models 91G)	45C1773	N
3	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M (models 91G)	45C5349	N
3	Microprocessor, E2220 Conroe-L 2.4GHz 800MHz FSB 1M (models 91G)	45C1774	N
3	Microprocessor, E5200 2.5G 800MHz 2M M-0 65W, 45nm (models 91G)	46R9512	N
3	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W (models 91G)	46R1655	N
3	Microprocessor, E1400 2.0GHz 800MHz FSB 512K - NPI M-0 65W (models 91G)	45R8339	N
3	Microprocessor, E1200 1.6GHZ/800MHZ/512K M-0 65W (models 91G)	45R8341	N
3	Microprocessor, Cel-430 Conroe-L 1.8GHz 800MHz FSB 512K (models 91G)	43C1964	N
3	Microprocessor, Cel-440 Conroe-L 2.0GHz 800MHz FSB 512K (models 91G)	43C1965	N
3	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W (models 91G)	46R9514	N
3	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W (models 91G)	46R8642	N
3	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W (models 91G)	46R8644	N
3	Microprocessor, Q8200 2.33GHz 1333FSB 4M M-1 95W (models 91G)	46R9516	N
3	Microprocessor, Q6700 2.66GHZ 1066FSB 8M G-0 Stepping Level, 95W (models 91G)	43C6309	N
3	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W (models 91G)	45C7739	N
3	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W (models 91G)	45C7740	N
3	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W (models 91G)	45C7741	N
3	Microprocessor, E5400 2.7G 800MHz 2MB 65W Non-vPro SKU (models 91G)	64Y1075	N
4	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM (models 91G)	41X4255	1
4	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM (models 91G)	41X4256	1
4	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM (models 91G)	41X4257	1
4	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM (models 91G)	41X1079	1
4	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G)	41X1080	1
4	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G)	41X1081	1
6	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista (models 91G)	41N3325	1
6	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista (models 91G)	43C1042	1
6	Optical drive, Blu-ray Recorder / DVD Super Multi (models 91G)	53Y7643	1
7	Diskette drive, 3.5″ 1.44MB 2 Mode FDD with Bezel and cable (models 91G)	40Y9107	1
7	Diskette drive, 3.5″ 1.44MB 2 Mode FDD with Bezel and cable (models 91G)	40Y9105	1
8	Front bezel assembly (all models)	43N9662	1
8	Front bezel with ODD door assembly (all models)	43N9694	2
9	Internal speaker 400mm -- Optional (all models)	43N9091	2
11	Battery 3V - Lithium (models 91G)	45C1566	1
12	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB (models 91G)	40Y9035	1
12	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB (models 91G)	40Y9036	1
12	Hard disk drive, SATA 320GB 7200rpm SATA/8MB (models 91G)	87H4891	1
12	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB (models 91G)	41X5582	1
12	Hard disk drive, 1TB 7200rpm SATA (models 91G)	45C5973	1

Item#	7717 FRUs	FRU#	CRU
12	Hard disk drive, 150G 10K rpm, SATA (models 91G)	46R8893	1
14	Intrusion Switch Asm 475mm --Optional (all models)	39K5022	2
14	Intrusion Switch Asm (all models)	41R6116	2
15	System fan, rear (all models)	41R6269	2
16	Power supply, ATX 450W 80% power supply, Robust, WW, JP (models 91G)	41A9721	2
16	Power supply, ATX 280W power supply, Robust, WW (models 91G)	41A9684	2
16	Power supply, ATX 280W 80% power supply, Robust, WW, JP (models 91G)	41A9665	2

The FRUs listed in the following tables are not illustrated.

7717 FRUs	FRU#	CRU
System fan, front fan used for 2X500G (all models)	43N9599	2
Shield, 5.25 EMC FOR 1st ODD Bay (all models)	41N8080	1
Cable - SATA 457 mm (RoHS) for ODD (all models)	43N9013	2
Cable - SATA, Second HDD, 120 mm, 1 latching for Device, RoHS (all models)	41R3328	2
Cable - SATA 250 mm (RoHS) for 1st HDD (all models)	43N9012	2
Second HDD Bracket Asm (all models)	41R6106	1
FDD EMC Shield (all models)	41N8078	1
Temp Sense Cable (6pin 460 mm) (all models)	45J9495	2
FDD Cable (all models)	41A7182	2
FDD Cable, 310 mm (all models)	41A7147	2
I/O Shield - Ace (all models)	41N8053	2
HDD Tray (all models)	41R6291	1
ODD/FDD/Cardreader Retainers (all models)	43N9351	1
Cable Clip, FW-6D (all models)	43N9462	2
Power switch cable, 760 mm (all models)	45J9512	2
Front I_O cable_R (all models)	45J9506	2
ODD door assembly (all models)	43N9663	1
No FDD cover assembly (all models)	43N9664	1
FDD/Cardreader cover (all models)	43N9665	1
USB cover (all models)	43N9666	1
Top handle assembly (all models)	43N9667	1
3.5'' Convert 2.5'' for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9593	2
Thermal Grease (all models)	91P8835	N

7717 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--US English (models 91G)	41A5289	1
USB FULL--Arabic (models 91G)	41A5290	1
USB FULL--Arabic/French (models 91G)	41A5291	1
USB FULL--Belgium French (models 91G)	41A5292	1
USB FULL--Belgium English (models 91G)	41A5293	1

7717 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--Brazilian Portuguese (models 91G)	41A5294	1
USB FULL--Bulgarian (models 91G)	41A5295	1
USB FULL--Chinese/US (models 91G)	41A5296	1
USB FULL--Czech (ABB) (models 91G)	41A5297	1
USB FULL--Danish (models 91G)	41A5298	1
USB FULL--Dutch (models 91G)	41A5299	1
USB FULL--French (models 91G)	41A5300	1
USB FULL--French Canadian (models 91G)	41A5301	1
USB FULL--French Canadian (models 91G)	41A5302	1
USB FULL--German (models 91G)	41A5303	1
USB FULL--Greek (models 91G)	41A5304	1
USB FULL--Greek/US (models 91G)	41A5305	1
USB FULL--Hebrew (models 91G)	41A5306	1
USB FULL--Hungarian (models 91G)	41A5307	1
USB FULL--Iceland (models 91G)	41A5308	1
USB FULL--Italy (models 91G)	41A5309	1
USB FULL--Japanese (models 91G)	41A5310	1
USB FULL--Korean (models 91G)	41A5311	1
USB FULL--LA Spanish (models 91G)	41A5312	1
USB FULL--Norwegian (models 91G)	41A5313	1
USB FULL--Polish (models 91G)	41A5314	1
USB FULL--Portuguese (models 91G)	41A5315	1
USB FULL--Romanian (models 91G)	41A5317	1
USB FULL--Romanian (models 91G)	41A5316	1
USB FULL--Russian/Cyrillic (models 91G)	41A5318	1
USB FULL--Serbian/Cyrillic (models 91G)	41A5319	1
USB FULL--Slovak (models 91G)	41A5320	1
USB FULL--Spanish (models 91G)	41A5321	1
USB FULL--Swedish/Finnish (models 91G)	41A5322	1
USB FULL--Swiss French/German (models 91G)	41A5323	1
USB FULL--Thailand (models 91G)	41A5324	1
USB FULL--Turkish (models 91G)	41A5325	1
USB FULL--Turkish (models 91G)	41A5326	1
USB FULL --UK English (models 91G)	41A5327	1
USB FULL--US Euro (models 91G)	41A5328	1
USB FULL--Slovenian (models 91G)	41A5329	1
USB FULL--Lithuanian (models 91G)	45J4896	1
USB FULL--Estonia (models 91G)	51J0059	1

7717 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
US English (models 91G)	41R0038	1

7717 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
Arabic (models 91G)	41R0039	1
Arabic/French (models 91G)	41R0040	1
Belgium French (models 91G)	41R0041	1
Belgium English (models 91G)	41R0042	1
Brazilian Portuguese (models 91G)	41R0043	1
Bulgarian (models 91G)	41R0044	1
Chinese/US (models 91G)	41R0045	1
Czech (ABB) (models 91G)	41R0046	1
Danish (models 91G)	41R0047	1
Dutch (models 91G)	41R0048	1
French (models 91G)	41R0049	1
French Canadian (models 91G)	41R0050	1
French Canadian (models 91G)	41R0051	1
German (models 91G)	41R0052	1
Greek (models 91G)	41R0053	1
Greek/US (models 91G)	41R0054	1
Hebrew (models 91G)	41R0055	1
Hungarian (models 91G)	41R0056	1
Iceland (models 91G)	41R0057	1
Italian (models 91G)	41R0058	1
Japanese (models 91G)	41R0059	1
Korean (models 91G)	41R0060	1
LA Spanish (models 91G)	41R0061	1
Norwegian (models 91G)	41R0062	1
Polish (models 91G)	41R0063	1
Portuguese (models 91G)	41R0064	1
Romanian (models 91G)	41R0065	1
Romanian (models 91G)	41R0066	1
Russian/Cyrillic (models 91G)	41R0067	1
Serbian/Cyrillic (models 91G)	41R0068	1
Slovak (models 91G)	41R0069	1
Spanish (models 91G)	41R0070	1
Swedish/Finnish (models 91G)	41R0071	1
Swiss French/German (models 91G)	41R0072	1
Thailand (models 91G)	41R0073	1
Turkish (models 91G)	41R0074	1
Turkish (models 91G)	41R0075	1
UK English (models 91G)	41R0076	1
US Euro (models 91G)	41R0077	1
Slovenian (models 91G)	41R0078	1

7717 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--US English (models 91G)	41A5039	1
PS/2 Full--Arabic (models 91G)	41A5040	1
PS/2 Full--Arabic (New) (models 91G)	45J4880	1
PS/2 Full--Arabic/French (models 91G)	41A5041	1
PS/2 Full--Belgium French (models 91G)	41A5042	1
PS/2 Full--Belgium English (models 91G)	41A5043	1
PS/2 Full--Brazilian Portuguese (models 91G)	41A5044	1
PS/2 Full--Bulgarian (models 91G)	41A5045	1
PS/2 Full--Chinese/US (models 91G)	41A5046	1
PS/2 Full--Czech (ABB) (models 91G)	41A5047	1
PS/2 Full--Danish (models 91G)	41A5048	1
PS/2 Full--Dutch (models 91G)	41A5049	1
PS/2 Full--French (models 91G)	41A5050	1
PS/2 Full--French Canadian (models 91G)	41A5051	1
PS/2 Full--French Canadian (models 91G)	41A5052	1
PS/2 Full--German (models 91G)	41A5053	1
PS/2 Full--Greek (models 91G)	41A5054	1
PS/2 Full--Greek/US (models 91G)	41A5080	1
PS/2 Full--Hebrew (models 91G)	41A5055	1
PS/2 Full--Hungarian (models 91G)	41A5056	1
PS/2 Full--Iceland (models 91G)	41A5057	1
PS/2 Full--Italian (models 91G)	41A5058	1
PS/2 Full--Japanese (models 91G)	41A5059	1
PS/2 Full--Korean (models 91G)	41A5060	1
PS/2 Full--LA Spanish (models 91G)	41A5061	1
PS/2 Full--Norwegian (models 91G)	41A5062	1
PS/2 Full--Polish (models 91G)	41A5063	1
PS/2 Full--Portuguese (models 91G)	41A5064	1
PS/2 Full--Romanian (models 91G)	41A5065	1
PS/2 Full--Russian/Cyrillic (models 91G)	41A5066	1
PS/2 Full--Serbian/Cyrillic (models 91G)	41A5067	1
PS/2 Full--Slovak (models 91G)	41A5068	1
PS/2 Full--Spanish (models 91G)	41A5069	1
PS/2 Full--Swedish/Finnish (models 91G)	41A5070	1
PS/2 Full--Swiss French/German (models 91G)	41A5071	1
PS/2 Full--Thailand (models 91G)	41A5072	1
PS/2 Full--Turkish (models 91G)	41A5073	1
PS/2 Full--Turkish (models 91G)	41A5074	1
PS/2 Full--UK English (models 91G)	41A5075	1
PS/2 Full--US Euro (models 91G)	41A5076	1
PS/2 Full--Slovenian (models 91G)	41A5077	1

7717 Mice	FRU#	CRU
Optical Wheel Mouse OPT (400DPI, USB) (models 91G)	41U3013	1
Optical Wheel Mouse OPT (400DPI, USB) (models 91G)	41U3030	1
PS/2 Three button ball mouse scrollpoint (41R0017) (models 91G)	41R0018	1

7717 Adapters and miscellaneous FRUs	FRU#	CRU
Internal 25 in 1 USB Memory Card Reader (models 91G)	45R8139	1
IEEE 1394 Firewire Adapter ATX (models 91G)	41D2781	1
Speaker power brick - US, Canada, LA low voltage, ASEAN (models 91G)	89P8571	1
Speaker power brick - LA high voltage (non-APU) (models 91G)	89P8575	1
Speaker power brick - Simplified Chinese, Thailand EMEA (models 91G)	89P8581	1
Speaker power brick - Japanese (models 91G)	89P8577	1
Speaker power brick - Brazil (models 91G)	89P8583	1
Speaker power brick - Argentina (models 91G)	41A4901	1
Speaker power brick - ANZ (models 91G)	89P8579	1
Speaker power brick - Korea (models 91G)	41A4903	1
Speaker power brick - Hong Kong, EMEA, Ireland (models 91G)	89P8573	1
Speaker power brick -Taiwan-Traditional Chinese (models 91G)	41A4905	1
Speaker power brick - India, South Africa (models 91G)	89P8585	1
2-pc external speaker--primary (models 91G)	41A5331	1
2-pc external speaker-secondary (models 91G)	41A5334	1
DVI-I(M)-VGA(F) cord (models 91G)	41R3342	1
Geforce 9500GT GDDR3 512MB - DVI+HDMI+DP (models 91G)	46R1524	1
ATI HD3470 GDDR3 256MB - VGA+DP (models 91G)	46R1521	1
ADD2 DVI-D Adapter, (HDCP) DVD-D connection Adapter Low Profile (Silicon Image) (models 91G)	43C0258	1
DisplayPort to DVI-D Dongle (models 91G)	43N9160	1
DisplayPort to VGA Dongle (models 91G)	45J9524	1
Modem phone cable (models 91G)	39K5120	1
LI300mm Rear USB 2Ports II HP® (models 91G)	42Y8005	2
LI350mm Rear Com2 cable II mini® (models 91G)	41R8548	2
NVIDIA G100 DDR2 256MB ATX - DVI-I+VGA (models 91G)	53Y9249	1
Soft Modem V.90/V.44 ATX (models 91G)	46R4220	1

7717 Power Cords (Primary)	FRU #	CRU
Power cord - US (models 91G)	41R3184	1
Power cord - China (models 91G)	41R3256	1
Power Cord - Japanese and Japanese English (models 91G)	41R3248	1
Power cord - Brazil (models 91G)	41R3270	1
Power cord - LA High Volt (APU) (models 91G)	41R3176	1
Power cord - Australia / New Zealand (models 91G)	41R3196	1

7717 Power Cords (Primary)	FRU #	CRU
Power cord - Korea (models 91G)	41R3260	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91G)	41R3224	1
Power cord - Taiwan (models 91G)	41R3278	1
Power cord - Italy (models 91G)	41R3232	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91G)	41R3208	1
Power cord - Denmark (models 91G)	41R3212	1
Power cord - Switzerland (models 91G)	41R3228	1
Power cord - Israel (models 91G)	41R3236	1
Power cord - South Africa (models 91G)	41R3220	1
Power cord - India (models 91G)	41R3341	1
Power cord - Thailand (models 91G)	43N9029	1

7717 Power Cords (Secondary)	FRU#	CRU
Power cord - US (models 91G)	41R3185	1
Power cord - China (models 91G)	41R3257	1
Power Cord - Japanese and Japanese English (models 91G)	41R3249	1
Power cord - Brazil (models 91G)	41R3271	1
Power cord - LA High Volt (APU) (models 91G)	41R3177	1
Power cord - Australia / New Zealand (models 91G)	41R3197	1
Power cord - Korea (models 91G)	41R3261	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91G)	41R3225	1
Power cord - Taiwan (models 91G)	41R3279	1
Power cord - Italy (models 91G)	41R3233	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91G)	41R3209	1
Power cord - Denmark (models 91G)	41R3213	1
Power cord - Switzerland (models 91G)	41R3229	1
Power cord - Israel (models 91G)	41R3237	1
Power cord - South Africa (models 91G)	41R3221	1
Power cord - India (models 91G)	41R3175	1
Power cord - Thailand (models 91G)	43N9030	1
Power cord - Y cable for Brazil (models 91G)	43N9044	1

7717 Windows XP Home Recovery CDs	FRU#	CRU
US English/UK/Asia Pacific (models 91G)	TBD	1
French/French Canadian (models 91G)	TBD	1
Greek (models 91G)	TBD	1
Italy (models 91G)	TBD	1
Brazilian (models 91G)	TBD	1

7717 Windows XP Home Recovery CDs	FRU#	CRU
Spanish/LA (models 91G)	TBD	1
Danish (models 91G)	TBD	1
Dutch (models 91G)	TBD	1
Arabic (models 91G)	TBD	1
Swedish (models 91G)	TBD	1
Hebrew (models 91G)	TBD	1
Finnish (models 91G)	TBD	1
Norwegian (models 91G)	TBD	1
Polish (models 91G)	TBD	1
Portuguese (models 91G)	TBD	1
Russian (models 91G)	TBD	1
Russian English (models 91G)	TBD	1
Hungarian (models 91G)	TBD	1
Czech (models 91G)	TBD	1
Turkish native (models 91G)	TBD	1
Greek (models 91G)	TBD	1
Japanese (models 91G)	TBD	1
Simplified Chinese (models 91G)	TBD	1
Taiwan-TC (models 91G)	TBD	1
Hong Kong-TC (models 91G)	TBD	1
Korean (models 91G)	TBD	1

7717 Windows XP Pro Recovery CDs	FRU#	CRU
US English (models 91G)	64Y5685	1
French (models 91G)	64Y5686	1
German (models 91G)	64Y5687	1
Italian (models 91G)	64Y5690	1
Brazilian Portuguese (models 91G)	64Y5689	1
Spanish (models 91G)	64Y5688	1
Danish (models 91G)	64Y5694	1
Dutch (models 91G)	64Y5695	1
Arabic (models 91G)	64Y5699	1
Swedish (models 91G)	64Y5693	1
Hebrew (models 91G)	63Y8286	1
Finnish (models 91G)	64Y5697	1
Norwegian (models 91G)	64Y5692	1
Polish (models 91G)	64Y5698	1
Portuguese (models 91G)	63Y8294	1
Russian (models 91G)	64Y5700	1
Russian English (models 91G)	63Y8290	1
Hungarian (models 91G)	63Y8292	1

7717 Windows XP Pro Recovery CDs	FRU#	CRU
Czech (models 91G)	64Y5696	1
Turkish (models 91G)	64Y5701	1
Greek (models 91G)	64Y5702	1
Slovenian (models 91G)	63Y8295	1
Japanese (models 91G)	64Y6068	1
Simplified Chinese (models 91G)	64Y5703	1
Taiwan-TC (models 91G)	64Y5704	1
Hong Kong-TC (models 91G)	64Y5705	1
Korea (models 91G)	63Y8299	1
MUI Nordics (EN-DK-FI-NO-SV) (models 91G)	64Y4801	1
MUI Switz (US EN-FR -GR-IT) (models 91G)	64Y4802	1
MUI Bel-Lux (EN-FR-GR-NL) (models 91G)	64Y4803	1

7717 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2771	1
French (models 91G)	64Y2773	1
German (models 91G)	64Y2774	1
Spanish (models 91G)	64Y2775	1
Brazilian (models 91G)	64Y2776	1
Italian (models 91G)	64Y2777	1
Japanese (models 91G)	64Y6073	1
Dutch (models 91G)	64Y2791	1
Czech (models 91G)	64Y2778	1
Polish (models 91G)	64Y2779	1
Russian (models 91G)	64Y2780	1
Turkish (models 91G)	64Y2781	1
Hungarian (models 91G)	64Y2782	1
Greek (models 91G)	64Y2783	1
Portuguese (models 91G)	64Y2794	1
Simplified Chinese (models 91G)	64Y2785	1
Hong Kong (models 91G)	64Y2787	1
Traditional Chinese (models 91G)	64Y2786	1
Korean (models 91G)	64Y2788	1
Slovenian (models 91G)	64Y2789	1
Russian English (models 91G)	64Y2772	1
Hebrew (models 91G)	64Y2792	1
Arabic Localized (models 91G)	64Y2790	1
Slovakian (models 91G)	64Y2796	1
Romanian (models 91G)	64Y2793	1
Serbian-Latin (models 91G)	64Y2795	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2797	1

7717 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
C&L 2 Switzerland (EN FR GR IT) (models 91G)	64Y2798	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G)	64Y2799	1

7717 Vista Business 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2684	1
French (models 91G)	64Y2686	1
German (models 91G)	64Y2687	1
Spanish (models 91G)	64Y2688	1
Brazilian Portuguese (models 91G)	64Y2689	1
Italian (models 91G)	64Y2690	1
Japanese (models 91G)	64Y6071	1
Dutch (models 91G)	64Y2704	1
Czech (models 91G)	64Y2691	1
Polish (models 91G)	64Y2692	1
Russian (models 91G)	64Y2693	1
Turkish (models 91G)	64Y2694	1
Hungarian (models 91G)	64Y2695	1
Greek (models 91G)	64Y2696	1
Portuguese (models 91G)	64Y2707	1
Simplified Chinese (models 91G)	64Y2698	1
Traditional Chinese (models 91G)	64Y2699	1
Hong Kong (models 91G)	64Y2700	1
Korean (models 91G)	64Y2701	1
Slovenian (models 91G)	64Y2702	1
Russian English (models 91G)	64Y2685	1
Romanian (models 91G)	64Y2706	1
Serbian-Latin (models 91G)	64Y2708	1
Slovakian (models 91G)	64Y2709	1
Arabic Localized (models 91G)	64Y2703	1
Hebrew (models 91G)	64Y2705	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2710	1
C&L 2 Switzerland (EN FR GR IT) (models 91G)	64Y2711	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G)	64Y2712	1

7717 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2800	1
French (models 91G)	64Y2801	1
German (models 91G)	64Y2802	1
Spanish (models 91G)	64Y2803	1
Italian (models 91G)	64Y2805	1
Japanese (models 91G)	64Y6074	1

7717 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
Hong Kong (models 91G)	64Y2807	1
Korean (models 91G)	64Y2804	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2808	1
C&L 2 Switzerland (EN FR GR IT) (models 91G)	64Y2809	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G)	64Y2810	1

7717 Vista Business 64 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2820	1
French (models 91G)	64Y2821	1
German (models 91G)	64Y2822	1
Japanese (models 91G)	64Y6076	1
Simplified Chinese (models 91G)	64Y2824	1

7717 Vista Ultimate 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2811	1
Japanese (models 91G)	64Y6075	1
French (models 91G)	64Y2812	1
German (models 91G)	64Y2813	1
Spanish (models 91G)	64Y2814	1
Italian (models 91G)	64Y2815	1
Hong Kong - Traditional Chinese (models 91G)	64Y2817	1
Arabic localized (models 91G)	64Y2818	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2819	1

7717 Vista Starter 32 Recovery DVDs	FRU#	CRU
English (models 91G)	TBD	1

Machine Type 7718

Item#	7718 FRUs	FRU#	CRU
1	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB (models 91G)	40Y9035	1
1	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB (models 91G)	40Y9036	1
1	Hard disk drive, SATA 320GB 7200rpm SATA/8MB (models 91G)	87H4891	1
1	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB (models 91G)	41X5582	1
1	Hard disk drive, 1TB 7200rpm SATA (models 91G)	45C5973	1
1	Hard disk drive, 150G 10K rpm, SATA (models 91G)	46R8893	1
2	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91G)	53Y6653	N
2	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91G)	53Y6654	N
2	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST, EM64T, EDB) 65W (models 91G)	53Y9049	N
2	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST, EM64T, EDB) M0 65W (models 91G)	53Y9051	N
2	Microprocessor, Q8300 Yorkfield 2.5GHZ, 1333MHz, 4M R-0 (ViiV, EIST, EM64T, EDB) 95W (models 91G)	53Y6656	N
2	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W (models 91G)	46R8640	N
2	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W (models 91G)	45C7735	N
2	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W (models 91G)	45C7736	N
2	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W (models 91G)	45C7737	N
2	Microprocessor, E8190 2.66GHz 1333MHz FSB 6M C-0 - NON VT/Vpro 65W (models 91G)	45R2568	N
2	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W (models 91G)	45R8337	N

Item#	7718 FRUs	FRU#	CRU
2	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W (models 91G)	46R1622	N
2	Microprocessor, E2180 Conroe-L 2.0GHz 800MHz FSB 1M (models 91G)	45C1773	N
2	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M (models 91G)	45C5349	N
2	Microprocessor, E2220 Conroe-L 2.4GHz 800MHz FSB 1M (models 91G)	45C1774	N
2	Microprocessor, E5200 2.5G 800MHz 2M M-0 65W, 45nm (models 91G)	46R9512	N
2	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W (models 91G)	46R1655	N
2	Microprocessor, E1400 2.0GHz 800MHz FSB 512K - NPI M-0 65W (models 91G)	45R8339	N
2	Microprocessor, E1200 1.6GHZ/800MHZ/512K M-0 65W (models 91G)	45R8341	N
2	Microprocessor, Cel-430 Conroe-L 1.8GHz 800MHz FSB 512K (models 91G)	43C1964	N
2	Microprocessor, Cel-440 Conroe-L 2.0GHz 800MHz FSB 512K (models 91G)	43C1965	N
2	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W (models 91G)	46R9514	N
2	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W (models 91G)	46R8642	N
2	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W (models 91G)	46R8644	N
2	Microprocessor, Q8200 2.33GHz 1333FSB 4M M-1 95W (models 91G)	46R9516	N
2	Microprocessor, Q6700 2.66GHZ 1066FSB 8M G-0 Stepping Level, 95W (models 91G)	43C6309	N
2	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W (models 91G)	45C7739	N
2	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W (models 91G)	45C7740	N
2	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W (models 91G)	45C7741	N
2	Microprocessor, E5400 2.7G 800MHz-2MB 65W Non-vPro SKU (models 91G)	64Y1075	N
3	95W heat sink kit with RM (all models)	41R6454	2
3	65W heat sink kit with RM (all models)	43N9349	2
4	Internal speaker 254 mm - optional (all models)	39K5012	2
5	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista (models 91G)	41N3325	1
5	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista (models 91G)	43C1042	1
6	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM (models 91G)	41X4255	1
6	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM (models 91G)	41X4256	1
6	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM (models 91G)	41X4257	1
6	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM (models 91G)	41X1079	1
6	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G)	41X1080	1
6	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G)	41X1081	1
7	System board, Intel G41 BTX(GA) non-AMT (models 91G)	46R8892	N
8	Power supply, 280W Active PFC power supply (Auto sensing) for 10L---Robust, ww, JP (models 91G)	41A9701	N
8	Power supply, 280W 85+ power supply for 10L---Robust, ww, JP (models 91G)	41A9742	N

The FRUs listed in the following tables are not illustrated.

7718 FRUs	FRU#	CRU
Battery 3V - Lithium (models 91G)	45C1566	1
Cable - SATA 250 mm (RoHS) for 1st HDD (all models)	43N9012	2

7718 FRUs	FRU#	CRU
Cable - SATA 600mm (RoHS) (all models)	45J9579	2
Cable - SATA 700 mm (RoHS) for ODD / Second HDD (all models)	43N9011	2
C2 Intrusion Switch 260 mm (all models)	43N9080	2
Rear IO shield BTX (all models)	41R6381	N
Temp Sense Cable (165 mm) (all models)	43N9079	2
Air Deflector, recycle resin (all models)	43N9610	2
HDD Tray ASM (all models)	43N9595	1
Front cage ASM (all models)	43N9596	N
Front cage ASM (all models)	43N9647	N
Cable, Front I_O cable_R (10L_U380_A550)_ESD (all models)	45J9509	2
Models with 3.5″ Convert 2.5″ for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9645	2
3.5″ Convert 2.5″ for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9593	2
Universal Adapter Bracket 5.25 to 3.5 607CT (all models)	43N9676	2
Top cover ASM (all models)	43N9594	1
Cable, LED/Switch cable_R (10L_220 mm_PCBA) (all models)	45J9515	2
NO ODD, EMI Shielding (all models)	43N9641	1
Card reader bezel, 607CT (all models)	43N9642	1
Non-Card reader bezel, 607CT (all models)	43N9643	1
Vertical Stand (all models)	43N9644	1
Front bezel ASM (all models)	43N9677	1
Chassis (all models)	43N9649	N
Rubber foot for vertical (all models)	43N9727	1
Rubber foot for horizontal (all models)	43N9728	1
Thermal Grease (all models)	91P8835	N

7718 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--US English (models 91G)	41A5289	1
USB FULL--Arabic (models 91G)	41A5290	1
USB FULL--Arabic/French (models 91G)	41A5291	1
USB FULL--Belgium French (models 91G)	41A5292	1
USB FULL--Belgium English (models 91G)	41A5293	1
USB FULL--Brazilian Portuguese (models 91G)	41A5294	1
USB FULL--Bulgarian (models 91G)	41A5295	1
USB FULL--Chinese/US (models 91G)	41A5296	1
USB FULL--Czech (ABB) (models 91G)	41A5297	1
USB FULL--Danish (models 91G)	41A5298	1
USB FULL--Dutch (models 91G)	41A5299	1
USB FULL--French (models 91G)	41A5300	1
USB FULL--French Canadian (models 91G)	41A5301	1
USB FULL--French Canadian (models 91G)	41A5302	1
USB FULL--German (models 91G)	41A5303	1

7718 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--Greek (models 91G)	41A5304	1
USB FULL--Greek/US (models 91G)	41A5305	1
USB FULL--Hebrew (models 91G)	41A5306	1
USB FULL--Hungarian (models 91G)	41A5307	1
USB FULL--Iceland (models 91G)	41A5308	1
USB FULL--Italy (models 91G)	41A5309	1
USB FULL--Japanese (models 91G)	41A5310	1
USB FULL--Korean (models 91G)	41A5311	1
USB FULL--LA Spanish (models 91G)	41A5312	1
USB FULL--Norwegian (models 91G)	41A5313	1
USB FULL--Polish (models 91G)	41A5314	1
USB FULL--Portuguese (models 91G)	41A5315	1
USB FULL--Romanian (models 91G)	41A5317	1
USB FULL--Romanian (models 91G)	41A5316	1
USB FULL--Russian/Cyrillic (models 91G)	41A5318	1
USB FULL--Serbian/Cyrillic (models 91G)	41A5319	1
USB FULL--Slovak (models 91G)	41A5320	1
USB FULL--Spanish (models 91G)	41A5321	1
USB FULL--Swedish/Finnish (models 91G)	41A5322	1
USB FULL--Swiss French/German (models 91G)	41A5323	1
USB FULL--Thailand (models 91G)	41A5324	1
USB FULL--Turkish (models 91G)	41A5325	1
USB FULL--Turkish (models 91G)	41A5326	1
USB FULL --UK English (models 91G)	41A5327	1
USB FULL--US Euro (models 91G)	41A5328	1
USB FULL--Slovenian (models 91G)	41A5329	1
USB FULL--Arabic (New) (models 91G)	45J4880	1
USB FULL--Lithuanian (models 91G)	45J4896	1
USB FULL--Estonia (models 91G)	51J0059	1

7718 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
US English (models 91G)	41R0038	1
Arabic (models 91G)	41R0039	1
Arabic/French (models 91G)	41R0040	1
Belgium French (models 91G)	41R0041	1
Belgium English (models 91G)	41R0042	1
Brazilian Portuguese (models 91G)	41R0043	1
Bulgarian (models 91G)	41R0044	1
Chinese/US (models 91G)	41R0045	1
Czech (ABB) (models 91G)	41R0046	1
Danish (models 91G)	41R0047	1

7718 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
Dutch (models 91G)	41R0048	1
French (models 91G)	41R0049	1
French Canadian (models 91G)	41R0050	1
French Canadian (models 91G)	41R0051	1
German (models 91G)	41R0052	1
Greek (models 91G)	41R0053	1
Greek/US (models 91G)	41R0054	1
Hebrew (models 91G)	41R0055	1
Hungarian (models 91G)	41R0056	1
Iceland (models 91G)	41R0057	1
Italian (models 91G)	41R0058	1
Japanese (models 91G)	41R0059	1
Korean (models 91G)	41R0060	1
LA Spanish (models 91G)	41R0061	1
Norwegian (models 91G)	41R0062	1
Polish (models 91G)	41R0063	1
Portuguese (models 91G)	41R0064	1
Romanian (models 91G)	41R0065	1
Romanian (models 91G)	41R0066	1
Russian/Cyrillic (models 91G)	41R0067	1
Serbian/Cyrillic (models 91G)	41R0068	1
Slovak (models 91G)	41R0069	1
Spanish (models 91G)	41R0070	1
Swedish/Finnish (models 91G)	41R0071	1
Swiss French/German (models 91G)	41R0072	1
Thailand (models 91G)	41R0073	1
Turkish (models 91G)	41R0074	1
Turkish (models 91G)	41R0075	1
UK English (models 91G)	41R0076	1
US Euro (models 91G)	41R0077	1
Slovenian (models 91G)	41R0078	1

7718 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--US English (models 91G)	41A5039	1
PS/2 Full--Arabic (models 91G)	41A5040	1
PS/2 Full--Arabic/French (models 91G)	41A5041	1
PS/2 Full--Belgium French (models 91G)	41A5042	1
PS/2 Full--Belgium English (models 91G)	41A5043	1
PS/2 Full--Brazilian Portuguese (models 91G)	41A5044	1
PS/2 Full--Bulgarian (models 91G)	41A5045	1
PS/2 Full--Chinese/US (models 91G)	41A5046	1

7718 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--Czech (ABB) (models 91G)	41A5047	1
PS/2 Full--Danish (models 91G)	41A5048	1
PS/2 Full--Dutch (models 91G)	41A5049	1
PS/2 Full--French (models 91G)	41A5050	1
PS/2 Full--French Canadian (models 91G)	41A5051	1
PS/2 Full--French Canadian (models 91G)	41A5052	1
PS/2 Full--German (models 91G)	41A5053	1
PS/2 Full--Greek (models 91G)	41A5054	1
PS/2 Full--Greek/US (models 91G)	41A5080	1
PS/2 Full--Hebrew (models 91G)	41A5055	1
PS/2 Full--Hungarian (models 91G)	41A5056	1
PS/2 Full--Iceland (models 91G)	41A5057	1
PS/2 Full--Italian (models 91G)	41A5058	1
PS/2 Full--Japanese (models 91G)	41A5059	1
PS/2 Full--Korean (models 91G)	41A5060	1
PS/2 Full--LA Spanish (models 91G)	41A5061	1
PS/2 Full--Norwegian (models 91G)	41A5062	1
PS/2 Full--Polish (models 91G)	41A5063	1
PS/2 Full--Portuguese (models 91G)	41A5064	1
PS/2 Full--Romanian (models 91G)	41A5065	1
PS/2 Full--Russian/Cyrillic (models 91G)	41A5066	1
PS/2 Full--Serbian/Cyrillic (models 91G)	41A5067	1
PS/2 Full--Slovak (models 91G)	41A5068	1
PS/2 Full--Spanish (models 91G)	41A5069	1
PS/2 Full--Swedish/Finnish (models 91G)	41A5070	1
PS/2 Full--Swiss French/German (models 91G)	41A5071	1
PS/2 Full--Thailand (models 91G)	41A5072	1
PS/2 Full--Turkish (models 91G)	41A5073	1
PS/2 Full--Turkish (models 91G)	41A5074	1
PS/2 Full--UK English (models 91G)	41A5075	1
PS/2 Full--US Euro (models 91G)	41A5076	1
PS/2 Full--Slovenian (models 91G)	41A5077	1

7718 Mice	FRU#	CRU
Optical Wheel Mouse OPT (400DPI, USB) (models 91G)	41U3013	1
Optical Wheel Mouse OPT (400DPI, USB) (models 91G)	41U3030	1
PS/2 Three button ball mouse scrollpoint (41R0017) (models 91G)	41R0018	1

7718 Adapters and miscellaneous FRUs	FRU#	CRU
Internal 25 in 1 USB Memory Card Reader Slim (models 91G)	46R1529	1
IEEE 1394 Firewire Adapter (models 91G)	41D2781	1

7718 Adapters and miscellaneous FRUs	FRU#	CRU
Soft Modem V.90/V.44 (models 91G)	46R4220	1
Speaker power brick - US, Canada, LA low voltage, ASEAN (models 91G)	89P8571	1
Speaker power brick - LA high voltage (non-APU) (models 91G)	89P8575	1
Speaker power brick - Simplified Chinese, Thailand EMEA (models 91G)	89P8581	1
Speaker power brick - Japanese (models 91G)	89P8577	1
Speaker power brick - Brazil (models 91G)	89P8583	1
Speaker power brick - Argentina (models 91G)	41A4901	1
Speaker power brick - ANZ (models 91G)	89P8579	1
Speaker power brick - Korea (models 91G)	41A4903	1
Speaker power brick - Hong Kong, EMEA, Ireland (models 91G)	89P8573	1
Speaker power brick -Taiwan-Traditional Chinese (models 91G)	41A4905	1
Speaker power brick - India, South Africa (models 91G)	89P8585	1
2-pc external speaker--primary (models 91G)	41A5331	1
2-pc external speaker-secondary (models 91G)	41A5334	1
DVI-I(M)-VGA(F) cord (models 91G)	41R3342	1
ATI HD3470 GDDR3 256MB - VGA+DP (models 91G)	46R1521	1
ADD2 DVI-D Adapter, (HDCP) DVD-D connection Adapter Low Profile (Silicon Image) (models 91G)	43C0258	1
DisplayPort to DVI-D Dongle (models 91G)	43N9160	1
DisplayPort to VGA Dongle (models 91G)	45J9524	1
Modem phone cable (models 91G)	39K5120	1
LI140mm Rear Com2 cable II mini® (models 91G)	43N9062	2
Rear USB 2 Ports II LP® 350 mm (models 91G)	43N9124	2
NVIDIA G100 DDR2 256MB LP - DVI-I (With DVI-I to VGA Dongle) (models 91G)	53Y9341	1

7718 Power Cords (Primary)	FRU #	CRU
Power cord - US (models 91G)	41R3184	1
Power cord - China (models 91G)	41R3256	1
Power Cord - Japanese and Japanese English (models 91G)	41R3248	1
Power cord - Brazil (models 91G)	41R3270	1
Power cord - LA High Volt (APU) (models 91G)	41R3176	1
Power cord - Australia / New Zealand (models 91G)	41R3196	1
Power cord - Korea (models 91G)	41R3260	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91G)	41R3224	1
Power cord - Taiwan (models 91G)	41R3278	1
Power cord - Italy (models 91G)	41R3232	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91G)	41R3208	1
Power cord - Denmark (models 91G)	41R3212	1
Power cord - Switzerland (models 91G)	41R3228	1
Power cord - Israel (models 91G)	41R3236	1

7718 Power Cords (Primary)	FRU #	CRU
Power cord - South Africa (models 91G)	41R3220	1
Power cord - India (models 91G)	41R3341	1
Power cord - Thailand (models 91G)	43N9029	1

7718 Power Cords (Secondary)	FRU#	CRU
Power cord - US (models 91G)	41R3185	1
Power cord - China (models 91G)	41R3257	1
Power Cord - Japanese and Japanese English (models 91G)	41R3249	1
Power cord - Brazil (models 91G)	41R3271	1
Power cord - LA High Volt (APU) (models 91G)	41R3177	1
Power cord - Australia / New Zealand (models 91G)	41R3197	1
Power cord - Korea (models 91G)	41R3261	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91G)	41R3225	1
Power cord - Taiwan (models 91G)	41R3279	1
Power cord - Italy (models 91G)	41R3233	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91G)	41R3209	1
Power cord - Denmark (models 91G)	41R3213	1
Power cord - Switzerland (models 91G)	41R3229	1
Power cord - Israel (models 91G)	41R3237	1
Power cord - South Africa (models 91G)	41R3221	1
Power cord - India (models 91G)	41R3175	1
Power cord - Thailand (models 91G)	43N9030	1
Power cord - Y cable for Brazil (models 91G)	43N9044	1

7718 Windows XP Home Recovery CDs	FRU#	CRU
US English/UK/Asia Pacific (models 91G)	TBD	1
French/French Canadian (models 91G)	TBD	1
Greek (models 91G)	TBD	1
Italy (models 91G)	TBD	1
Brazilian (models 91G)	TBD	1
Spanish/LA (models 91G)	TBD	1
Danish (models 91G)	TBD	1
Dutch (models 91G)	TBD	1
Arabic (models 91G)	TBD	1
Swedish (models 91G)	TBD	1
Hebrew (models 91G)	TBD	1
Finnish (models 91G)	TBD	1
Norwegian (models 91G)	TBD	1
Polish (models 91G)	TBD	1

7718 Windows XP Home Recovery CDs	FRU#	CRU
Portuguese (models 91G)	TBD	1
Russian (models 91G)	TBD	1
Russian English (models 91G)	TBD	1
Hungarian (models 91G)	TBD	1
Czech (models 91G)	TBD	1
Turkish native (models 91G)	TBD	1
Greek (models 91G)	TBD	1
Japanese (models 91G)	TBD	1
Simplified Chinese (models 91G)	TBD	1
Taiwan-TC (models 91G)	TBD	1
Hong Kong-TC (models 91G)	TBD	1
Korean (models 91G)	TBD	1

7718 Windows XP Pro Recovery CDs	FRU#	CRU
US English (models 91G)	64Y5685	1
French (models 91G)	64Y5686	1
German (models 91G)	64Y5687	1
Italian (models 91G)	64Y5690	1
Brazilian Portuguese (models 91G)	64Y5689	1
Spanish (models 91G)	64Y5688	1
Danish (models 91G)	64Y5694	1
Dutch (models 91G)	64Y5695	1
Arabic (models 91G)	64Y5699	1
Swedish (models 91G)	64Y5693	1
Hebrew (models 91G)	63Y8286	1
Finnish (models 91G)	64Y5697	1
Norwegian (models 91G)	64Y5692	1
Polish (models 91G)	64Y5698	1
Portuguese (models 91G)	63Y8294	1
Russian (models 91G)	64Y5700	1
Russian English (models 91G)	63Y8290	1
Hungarian (models 91G)	63Y8292	1
Czech (models 91G)	64Y5696	1
Turkish (models 91G)	64Y5701	1
Greek (models 91G)	64Y5702	1
Slovenian (models 91G)	63Y8295	1
Japanese (models 91G)	64Y6068	1
Simplified Chinese (models 91G)	64Y5703	1
Taiwan-TC (models 91G)	64Y5704	1
Hong Kong-TC (models 91G)	64Y5705	1
Korean (models 91G)	63Y8299	1

7718 Windows XP Pro Recovery CDs	FRU#	CRU
MUI Nordics (EN-DK-FI-NO-SV) (models 91G)	64Y4801	1
MUI Switz (EN-FR-GR-IT) (models 91G)	64Y4802	1
MUI Bel-Lux (EN-FR-GR-NL) (models 91G)	64Y4803	1

7718 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2771	1
French (models 91G)	64Y2773	1
German (models 91G)	64Y2774	1
Spanish (models 91G)	64Y2775	1
Brazilian (models 91G)	64Y2776	1
Italian (models 91G)	64Y2777	1
Japanese (models 91G)	64Y6073	1
Dutch (models 91G)	64Y2791	1
Czech (models 91G)	64Y2778	1
Polish (models 91G)	64Y2779	1
Russian (models 91G)	64Y2780	1
Turkish (models 91G)	64Y2781	1
Hungarian (models 91G)	64Y2782	1
Greek (models 91G)	64Y2783	1
Portuguese (models 91G)	64Y2794	1
Simplified Chinese (models 91G)	64Y2785	1
Hong Kong (models 91G)	64Y2787	1
Traditional Chinese (models 91G)	64Y2786	1
Korean (models 91G)	64Y2788	1
Slovenian (models 91G)	64Y2789	1
Russian English (models 91G)	64Y2772	1
Hebrew (models 91G)	64Y2792	1
Arabic Localized (models 91G)	64Y2790	1
Slovakian (models 91G)	64Y2796	1
Romanian (models 91G)	64Y2793	1
Serbian-Latin (models 91G)	64Y2795	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2797	1
C&L 2 Switzerland (EN FR GR IT) (models 91G)	64Y2798	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G)	64Y2799	1

7718 Vista Business 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2684	1
French (models 91G)	64Y2686	1
German (models 91G)	64Y2687	1
Spanish (models 91G)	64Y2688	1
Brazilian Portuguese (models 91G)	64Y2689	1

7718 Vista Business 32 Recovery DVDs	FRU#	CRU
Italian (models 91G)	64Y2690	1
Japanese (models 91G)	64Y6071	1
Dutch (models 91G)	64Y2704	1
Czech (models 91G)	64Y2691	1
Polish (models 91G)	64Y2692	1
Russian (models 91G)	64Y2693	1
Turkish (models 91G)	64Y2694	1
Hungarian (models 91G)	64Y2695	1
Greek (models 91G)	64Y2696	1
Portuguese (models 91G)	64Y2707	1
Simplified Chinese (models 91G)	64Y2698	1
Traditional Chinese (models 91G)	64Y2699	1
Hong Kong (models 91G)	64Y2700	1
Korean (models 91G)	64Y2701	1
Slovenian (models 91G)	64Y2702	1
Russian English (models 91G)	64Y2685	1
Romanian (models 91G)	64Y2706	1
Serbian-Latin (models 91G)	64Y2708	1
Slovakian (models 91G)	64Y2709	1
Arabic Localized (models 91G)	64Y2703	1
Hebrew (models 91G)	64Y2705	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2710	1
C&L 2 Switzerland (EN FR GR IT) (models 91G)	64Y2711	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G)	64Y2712	1

7718 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2800	1
French (models 91G)	64Y2801	1
German (models 91G)	64Y2802	1
Spanish (models 91G)	64Y2803	1
Italian (models 91G)	64Y2805	1
Japanese (models 91G)	64Y6074	1
Hong Kong (models 91G)	64Y2807	1
Korean (models 91G)	64Y2804	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2808	1
C&L 2 Switzerland (EN FR GR IT) (models 91G)	64Y2809	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G)	64Y2810	1

7718 Vista Business 64 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2820	1
French (models 91G)	64Y2821	1

7718 Vista Business 64 Recovery DVDs	FRU#	CRU
German (models 91G)	64Y2822	1
Japanese (models 91G)	64Y6076	1
Simplified Chinese (models 91G)	64Y2824	1

7718 Vista Ultimate 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2811	1
Japanese (models 91G)	64Y6075	1
French (models 91G)	64Y2812	1
German (models 91G)	64Y2813	1
Spanish (models 91G)	64Y2814	1
Italian (models 91G)	64Y2815	1
Hong Kong - Traditional Chinese (models 91G)	64Y2817	1
Arabic localized (models 91G)	64Y2818	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2819	1

7718 Vista Starter 32 Recovery DVDs	FRU#	CRU
English (models 91G)	TBD	1

Machine Type 7719

Item#	7719 FRUs	FRU#	CRU
1	Intel 95W/65W Heatsink (all models)	43N9409	2
1	Intel 65W heat sink (all models)	43N9708	2
2	System board, Intel G41 MATX(GA) non-AMT (models 91G)	46R8891	N
3	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91G)	53Y6653	N
3	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91G)	53Y6654	N
3	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST, EM64T, EDB) 65W (models 91G)	53Y9049	N
3	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST, EM64T, EDB) M0 65W (models 91G)	53Y9051	N
3	Microprocessor, Q8300 Yorkfield 2.5GHZ, 1333MHz, 4M R-0 (ViiV, EIST, EM64T, EDB) 95W (models 91G)	53Y6656	N
3	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W (models 91G)	46R8640	N
3	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W (models 91G)	45C7735	N
3	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W (models 91G)	45C7736	N
3	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W (models 91G)	45C7737	N
3	Microprocessor, E8190 2.66GHz 1333MHz FSB 6M C-0 - NON VT/Vpro 65W (models 91G)	45R2568	N
3	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W (models 91G)	45R8337	N

Item#	7719 FRUs	FRU#	CRU
3	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W (models 91G)	46R1622	N
3	Microprocessor, E2180 Conroe-L 2.0GHz 800MHz FSB 1M (models 91G)	45C1773	N
3	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M (models 91G)	45C5349	N
3	Microprocessor, E2220 Conroe-L 2.4GHz 800MHz FSB 1M (models 91G)	45C1774	N
3	Microprocessor, E5200 2.5G 800MHz 2M M-0 65W, 45nm (models 91G)	46R9512	N
3	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W (models 91G)	46R1655	N
3	Microprocessor, E1400 2.0GHz 800MHz FSB 512K - NPI M-0 65W (models 91G)	45R8339	N
3	Microprocessor, E1200 1.6GHZ/800MHZ/512K M-0 65W (models 91G)	45R8341	N
3	Microprocessor, Cel-430 Conroe-L 1.8GHz 800MHz FSB 512K (models 91G)	43C1964	N
3	Microprocessor, Cel-440 Conroe-L 2.0GHz 800MHz FSB 512K (models 91G)	43C1965	N
3	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W (models 91G)	46R9514	N
3	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W (models 91G)	46R8642	N
3	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W (models 91G)	46R8644	N
3	Microprocessor, Q8200 2.33GHz 1333FSB 4M M-1 95W (models 91G)	46R9516	N
3	Microprocessor, Q6700 2.66GHZ 1066FSB 8M G-0 Stepping Level, 95W (models 91G)	43C6309	N
3	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W (models 91G)	45C7739	N
3	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W (models 91G)	45C7740	N
3	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W (models 91G)	45C7741	N
3	Microprocessor, E5400 2.7G 800MHz 2MB 65W Non-vPro SKU (models 91G)	64Y1075	N
4	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM (models 91G)	41X4255	1
4	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM (models 91G)	41X4256	1
4	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM (models 91G)	41X4257	1
4	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM (models 91G)	41X1079	1
4	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G)	41X1080	1
4	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G)	41X1081	1
6	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista (models 91G)	41N3325	1
6	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista (models 91G)	43C1042	1
6	Optical drive, Blu-ray Recorder / DVD Super Multi (models 91G)	53Y7643	1
7	Diskette drive, 3.5″ 1.44MB 2 Mode FDD with Bezel and cable (models 91G)	40Y9107	1
7	Diskette drive, 3.5″ 1.44MB 2 Mode FDD with Bezel and cable (models 91G)	40Y9105	1
8	Front bezel assembly (all models)	43N9662	1
8	Front bezel with ODD door assembly (all models)	43N9694	2
9	Internal speaker 400mm -- Optional (all models)	43N9091	2
11	Battery 3V - Lithium (models 91G)	45C1566	1
12	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB (models 91G)	40Y9035	1
12	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB (models 91G)	40Y9036	1
12	Hard disk drive, SATA 320GB 7200rpm SATA/8MB (models 91G)	87H4891	1
12	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB (models 91G)	41X5582	1
12	Hard disk drive, 1TB 7200rpm SATA (models 91G)	45C5973	1

Item#	7719 FRUs	FRU#	CRU
12	Hard disk drive, 150G 10K rpm, SATA (models 91G)	46R8893	1
14	Intrusion Switch Asm 475mm --Optional (all models)	39K5022	2
14	Intrusion Switch Asm (all models)	41R6116	2
15	System fan, rear (all models)	41R6269	2
16	Power supply, ATX 450W 80% power supply, Robust, WW, JP (models 91G)	41A9721	2
16	Power supply, ATX 280W power supply, Robust, WW (models 91G)	41A9684	2
16	Power supply, ATX 280W 80% power supply, Robust, WW, JP (models 91G)	41A9665	2

The FRUs listed in the following tables are not illustrated.

7719 FRUs	FRU#	CRU
System fan, front fan used for 2X500G (all models)	43N9599	2
Shield, 5.25 EMC FOR 1st ODD Bay (all models)	41N8080	1
Cable - SATA 457 mm (RoHS) for ODD (all models)	43N9013	2
Cable - SATA, Second HDD, 120 mm, 1 latching for Device, RoHS (all models)	41R3328	2
Cable - SATA 250 mm (RoHS) for 1st HDD (all models)	43N9012	2
Second HDD Bracket Asm (all models)	41R6106	1
FDD EMC Shield (all models)	41N8078	1
Temp Sense Cable (6pin 460 mm) (all models)	45J9495	2
FDD Cable (all models)	41A7182	2
FDD Cable, 310 mm (all models)	41A7147	2
I/O Shield - Ace (all models)	41N8053	2
HDD Tray (all models)	41R6291	1
ODD/FDD/Cardreader Retainers (all models)	43N9351	1
Cable Clip, FW-6D (all models)	43N9462	2
Power switch cable, 760 mm (all models)	45J9512	2
Front I_O cable_R (all models)	45J9506	2
ODD door assembly (all models)	43N9663	1
No FDD cover assembly (all models)	43N9664	1
FDD/Cardreader cover (all models)	43N9665	1
USB cover (all models)	43N9666	1
Top handle assembly (all models)	43N9667	1
3.5'' Convert 2.5'' for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9593	2
Thermal Grease (all models)	91P8835	N

7719 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--US English (models 91G)	41A5289	1
USB FULL--Arabic (models 91G)	41A5290	1
USB FULL--Arabic/French (models 91G)	41A5291	1
USB FULL--Belgium French (models 91G)	41A5292	1
USB FULL--Belgium English (models 91G)	41A5293	1

7719 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--Brazilian Portuguese (models 91G)	41A5294	1
USB FULL--Bulgarian (models 91G)	41A5295	1
USB FULL--Chinese/US (models 91G)	41A5296	1
USB FULL--Czech (ABB) (models 91G)	41A5297	1
USB FULL--Danish (models 91G)	41A5298	1
USB FULL--Dutch (models 91G)	41A5299	1
USB FULL--French (models 91G)	41A5300	1
USB FULL--French Canadian (models 91G)	41A5301	1
USB FULL--French Canadian (models 91G)	41A5302	1
USB FULL--German (models 91G)	41A5303	1
USB FULL--Greek (models 91G)	41A5304	1
USB FULL--Greek/US (models 91G)	41A5305	1
USB FULL--Hebrew (models 91G)	41A5306	1
USB FULL--Hungarian (models 91G)	41A5307	1
USB FULL--Iceland (models 91G)	41A5308	1
USB FULL--Italy (models 91G)	41A5309	1
USB FULL--Japanese (models 91G)	41A5310	1
USB FULL--Korean (models 91G)	41A5311	1
USB FULL--LA Spanish (models 91G)	41A5312	1
USB FULL--Norwegian (models 91G)	41A5313	1
USB FULL--Polish (models 91G)	41A5314	1
USB FULL--Portuguese (models 91G)	41A5315	1
USB FULL--Romanian (models 91G)	41A5317	1
USB FULL--Romanian (models 91G)	41A5316	1
USB FULL--Russian/Cyrillic (models 91G)	41A5318	1
USB FULL--Serbian/Cyrillic (models 91G)	41A5319	1
USB FULL--Slovak (models 91G)	41A5320	1
USB FULL--Spanish (models 91G)	41A5321	1
USB FULL--Swedish/Finnish (models 91G)	41A5322	1
USB FULL--Swiss French/German (models 91G)	41A5323	1
USB FULL--Thailand (models 91G)	41A5324	1
USB FULL--Turkish (models 91G)	41A5325	1
USB FULL--Turkish (models 91G)	41A5326	1
USB FULL --UK English (models 91G)	41A5327	1
USB FULL--US Euro (models 91G)	41A5328	1
USB FULL--Slovenian (models 91G)	41A5329	1
USB FULL--Lithuanian (models 91G)	45J4896	1
USB FULL--Estonia (models 91G)	51J0059	1

7719 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
US English (models 91G)	41R0038	1

7719 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
Arabic (models 91G)	41R0039	1
Arabic/French (models 91G)	41R0040	1
Belgium French (models 91G)	41R0041	1
Belgium English (models 91G)	41R0042	1
Brazilian Portuguese (models 91G)	41R0043	1
Bulgarian (models 91G)	41R0044	1
Chinese/US (models 91G)	41R0045	1
Czech (ABB) (models 91G)	41R0046	1
Danish (models 91G)	41R0047	1
Dutch (models 91G)	41R0048	1
French (models 91G)	41R0049	1
French Canadian (models 91G)	41R0050	1
French Canadian (models 91G)	41R0051	1
German (models 91G)	41R0052	1
Greek (models 91G)	41R0053	1
Greek/US (models 91G)	41R0054	1
Hebrew (models 91G)	41R0055	1
Hungarian (models 91G)	41R0056	1
Iceland (models 91G)	41R0057	1
Italian (models 91G)	41R0058	1
Japanese (models 91G)	41R0059	1
Korean (models 91G)	41R0060	1
LA Spanish (models 91G)	41R0061	1
Norwegian (models 91G)	41R0062	1
Polish (models 91G)	41R0063	1
Portuguese (models 91G)	41R0064	1
Romanian (models 91G)	41R0065	1
Romanian (models 91G)	41R0066	1
Russian/Cyrillic (models 91G)	41R0067	1
Serbian/Cyrillic (models 91G)	41R0068	1
Slovak (models 91G)	41R0069	1
Spanish (models 91G)	41R0070	1
Swedish/Finnish (models 91G)	41R0071	1
Swiss French/German (models 91G)	41R0072	1
Thailand (models 91G)	41R0073	1
Turkish (models 91G)	41R0074	1
Turkish (models 91G)	41R0075	1
UK English (models 91G)	41R0076	1
US Euro (models 91G)	41R0077	1
Slovenian (models 91G)	41R0078	1

7719 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--US English (models 91G)	41A5039	1
PS/2 Full--Arabic (models 91G)	41A5040	1
PS/2 Full--Arabic (New) (models 91G)	45J4880	1
PS/2 Full--Arabic/French (models 91G)	41A5041	1
PS/2 Full--Belgium French (models 91G)	41A5042	1
PS/2 Full--Belgium English (models 91G)	41A5043	1
PS/2 Full--Brazilian Portuguese (models 91G)	41A5044	1
PS/2 Full--Bulgarian (models 91G)	41A5045	1
PS/2 Full--Chinese/US (models 91G)	41A5046	1
PS/2 Full--Czech (ABB) (models 91G)	41A5047	1
PS/2 Full--Danish (models 91G)	41A5048	1
PS/2 Full--Dutch (models 91G)	41A5049	1
PS/2 Full--French (models 91G)	41A5050	1
PS/2 Full--French Canadian (models 91G)	41A5051	1
PS/2 Full--French Canadian (models 91G)	41A5052	1
PS/2 Full--German (models 91G)	41A5053	1
PS/2 Full--Greek (models 91G)	41A5054	1
PS/2 Full--Greek/US (models 91G)	41A5080	1
PS/2 Full--Hebrew (models 91G)	41A5055	1
PS/2 Full--Hungarian (models 91G)	41A5056	1
PS/2 Full--Iceland (models 91G)	41A5057	1
PS/2 Full--Italian (models 91G)	41A5058	1
PS/2 Full--Japanese (models 91G)	41A5059	1
PS/2 Full--Korean (models 91G)	41A5060	1
PS/2 Full--LA Spanish (models 91G)	41A5061	1
PS/2 Full--Norwegian (models 91G)	41A5062	1
PS/2 Full--Polish (models 91G)	41A5063	1
PS/2 Full--Portuguese (models 91G)	41A5064	1
PS/2 Full--Romanian (models 91G)	41A5065	1
PS/2 Full--Russian/Cyrillic (models 91G)	41A5066	1
PS/2 Full--Serbian/Cyrillic (models 91G)	41A5067	1
PS/2 Full--Slovak (models 91G)	41A5068	1
PS/2 Full--Spanish (models 91G)	41A5069	1
PS/2 Full--Swedish/Finnish (models 91G)	41A5070	1
PS/2 Full--Swiss French/German (models 91G)	41A5071	1
PS/2 Full--Thailand (models 91G)	41A5072	1
PS/2 Full--Turkish (models 91G)	41A5073	1
PS/2 Full--Turkish (models 91G)	41A5074	1
PS/2 Full--UK English (models 91G)	41A5075	1
PS/2 Full--US Euro (models 91G)	41A5076	1
PS/2 Full--Slovenian (models 91G)	41A5077	1

7719 Mice	FRU#	CRU
Optical Wheel Mouse OPT (400DPI, USB) (models 91G)	41U3013	1
Optical Wheel Mouse OPT (400DPI, USB) (models 91G)	41U3030	1
PS/2 Three button ball mouse scrollpoint (41R0017) (models 91G)	41R0018	1

7719 Adapters and miscellaneous FRUs	FRU#	CRU
Internal 25 in 1 USB Memory Card Reader (models 91G)	45R8139	1
IEEE 1394 Firewire Adapter ATX (models 91G)	41D2781	1
Speaker power brick - US, Canada, LA low voltage, ASEAN (models 91G)	89P8571	1
Speaker power brick - LA high voltage (non-APU) (models 91G)	89P8575	1
Speaker power brick - Simplified Chinese, Thailand EMEA (models 91G)	89P8581	1
Speaker power brick - Japanese (models 91G)	89P8577	1
Speaker power brick - Brazil (models 91G)	89P8583	1
Speaker power brick - Argentina (models 91G)	41A4901	1
Speaker power brick - ANZ (models 91G)	89P8579	1
Speaker power brick - Korea (models 91G)	41A4903	1
Speaker power brick - Hong Kong, EMEA, Ireland (models 91G)	89P8573	1
Speaker power brick -Taiwan-Traditional Chinese (models 91G)	41A4905	1
Speaker power brick - India, South Africa (models 91G)	89P8585	1
2-pc external speaker--primary (models 91G)	41A5331	1
2-pc external speaker-secondary (models 91G)	41A5334	1
DVI-I(M)-VGA(F) cord (models 91G)	41R3342	1
Geforce 9500GT GDDR3 512MB - DVI+HDMI+DP (models 91G)	46R1524	1
ATI HD3470 GDDR3 256MB - VGA+DP (models 91G)	46R1521	1
ADD2 DVI-D Adapter, (HDCP) DVD-D connection Adapter Low Profile (Silicon Image) (models 91G)	43C0258	1
DisplayPort to DVI-D Dongle (models 91G)	43N9160	1
DisplayPort to VGA Dongle (models 91G)	45J9524	1
Modem phone cable (models 91G)	39K5120	1
LI300mm Rear USB 2Ports II HP® (models 91G)	42Y8005	2
LI350mm Rear Com2 cable II mini® (models 91G)	41R8548	2
NVIDIA G100 DDR2 256MB ATX - DVI-I+VGA (models 91G)	53Y9249	1
Soft Modem V.90/V.44 ATX (models 91G)	46R4220	1

7719 Power Cords (Primary)	FRU #	CRU
Power cord - US (models 91G)	41R3184	1
Power cord - China (models 91G)	41R3256	1
Power Cord - Japanese and Japanese English (models 91G)	41R3248	1
Power cord - Brazil (models 91G)	41R3270	1
Power cord - LA High Volt (APU) (models 91G)	41R3176	1
Power cord - Australia / New Zealand (models 91G)	41R3196	1

7719 Power Cords (Primary)	FRU #	CRU
Power cord - Korea (models 91G)	41R3260	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91G)	41R3224	1
Power cord - Taiwan (models 91G)	41R3278	1
Power cord - Italy (models 91G)	41R3232	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91G)	41R3208	1
Power cord - Denmark (models 91G)	41R3212	1
Power cord - Switzerland (models 91G)	41R3228	1
Power cord - Israel (models 91G)	41R3236	1
Power cord - South Africa (models 91G)	41R3220	1
Power cord - India (models 91G)	41R3341	1
Power cord - Thailand (models 91G)	43N9029	1

7719 Power Cords (Secondary)	FRU#	CRU
Power cord - US (models 91G)	41R3185	1
Power cord - China (models 91G)	41R3257	1
Power Cord - Japanese and Japanese English (models 91G)	41R3249	1
Power cord - Brazil (models 91G)	41R3271	1
Power cord - LA High Volt (APU) (models 91G)	41R3177	1
Power cord - Australia / New Zealand (models 91G)	41R3197	1
Power cord - Korea (models 91G)	41R3261	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91G)	41R3225	1
Power cord - Taiwan (models 91G)	41R3279	1
Power cord - Italy (models 91G)	41R3233	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91G)	41R3209	1
Power cord - Denmark (models 91G)	41R3213	1
Power cord - Switzerland (models 91G)	41R3229	1
Power cord - Israel (models 91G)	41R3237	1
Power cord - South Africa (models 91G)	41R3221	1
Power cord - India (models 91G)	41R3175	1
Power cord - Thailand (models 91G)	43N9030	1
Power cord - Y cable for Brazil (models 91G)	43N9044	1

7719 Windows XP Home Recovery CDs	FRU#	CRU
US English/UK/Asia Pacific (models 91G)	TBD	1
French/French Canadian (models 91G)	TBD	1
Greek (models 91G)	TBD	1
Italy (models 91G)	TBD	1
Brazilian (models 91G)	TBD	1

7719 Windows XP Home Recovery CDs	FRU#	CRU
Spanish/LA (models 91G)	TBD	1
Danish (models 91G)	TBD	1
Dutch (models 91G)	TBD	1
Arabic (models 91G)	TBD	1
Swedish (models 91G)	TBD	1
Hebrew (models 91G)	TBD	1
Finnish (models 91G)	TBD	1
Norwegian (models 91G)	TBD	1
Polish (models 91G)	TBD	1
Portuguese (models 91G)	TBD	1
Russian (models 91G)	TBD	1
Russian English (models 91G)	TBD	1
Hungarian (models 91G)	TBD	1
Czech (models 91G)	TBD	1
Turkish native (models 91G)	TBD	1
Greek (models 91G)	TBD	1
Japanese (models 91G)	TBD	1
Simplified Chinese (models 91G)	TBD	1
Taiwan-TC (models 91G)	TBD	1
Hong Kong-TC (models 91G)	TBD	1
Korean (models 91G)	TBD	1

7719 Windows XP Pro Recovery CDs	FRU#	CRU
US English (models 91G)	64Y5685	1
French (models 91G)	64Y5686	1
German (models 91G)	64Y5687	1
Italian (models 91G)	64Y5690	1
Brazilian Portuguese (models 91G)	64Y5689	1
Spanish (models 91G)	64Y5688	1
Danish (models 91G)	64Y5694	1
Dutch (models 91G)	64Y5695	1
Arabic (models 91G)	64Y5699	1
Swedish (models 91G)	64Y5693	1
Hebrew (models 91G)	63Y8286	1
Finnish (models 91G)	64Y5697	1
Norwegian (models 91G)	64Y5692	1
Polish (models 91G)	64Y5698	1
Portuguese (models 91G)	63Y8294	1
Russian (models 91G)	64Y5700	1
Russian English (models 91G)	63Y8290	1
Hungarian (models 91G)	63Y8292	1

7719 Windows XP Pro Recovery CDs	FRU#	CRU
Czech (models 91G)	64Y5696	1
Turkish (models 91G)	64Y5701	1
Greek (models 91G)	64Y5702	1
Slovenian (models 91G)	63Y8295	1
Japanese (models 91G)	64Y6068	1
Simplified Chinese (models 91G)	64Y5703	1
Taiwan-TC (models 91G)	64Y5704	1
Hong Kong-TC (models 91G)	64Y5705	1
Korea (models 91G)	63Y8299	1
MUI Nordics (EN-DK-FI-NO-SV) (models 91G)	64Y4801	1
MUI Switz (US EN-FR -GR-IT) (models 91G)	64Y4802	1
MUI Bel-Lux (EN-FR-GR-NL) (models 91G)	64Y4803	1

7719 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2771	1
French (models 91G)	64Y2773	1
German (models 91G)	64Y2774	1
Spanish (models 91G)	64Y2775	1
Brazilian (models 91G)	64Y2776	1
Italian (models 91G)	64Y2777	1
Japanese (models 91G)	64Y6073	1
Dutch (models 91G)	64Y2791	1
Czech (models 91G)	64Y2778	1
Polish (models 91G)	64Y2779	1
Russian (models 91G)	64Y2780	1
Turkish (models 91G)	64Y2781	1
Hungarian (models 91G)	64Y2782	1
Greek (models 91G)	64Y2783	1
Portuguese (models 91G)	64Y2794	1
Simplified Chinese (models 91G)	64Y2785	1
Hong Kong (models 91G)	64Y2787	1
Traditional Chinese (models 91G)	64Y2786	1
Korean (models 91G)	64Y2788	1
Slovenian (models 91G)	64Y2789	1
Russian English (models 91G)	64Y2772	1
Hebrew (models 91G)	64Y2792	1
Arabic Localized (models 91G)	64Y2790	1
Slovakian (models 91G)	64Y2796	1
Romanian (models 91G)	64Y2793	1
Serbian-Latin (models 91G)	64Y2795	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2797	1

7719 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
C&L 2 Switzerland (EN FR GR IT) (models 91G)	64Y2798	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G)	64Y2799	1

7719 Vista Business 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2684	1
French (models 91G)	64Y2686	1
German (models 91G)	64Y2687	1
Spanish (models 91G)	64Y2688	1
Brazilian Portuguese (models 91G)	64Y2689	1
Italian (models 91G)	64Y2690	1
Japanese (models 91G)	64Y6071	1
Dutch (models 91G)	64Y2704	1
Czech (models 91G)	64Y2691	1
Polish (models 91G)	64Y2692	1
Russian (models 91G)	64Y2693	1
Turkish (models 91G)	64Y2694	1
Hungarian (models 91G)	64Y2695	1
Greek (models 91G)	64Y2696	1
Portuguese (models 91G)	64Y2707	1
Simplified Chinese (models 91G)	64Y2698	1
Traditional Chinese (models 91G)	64Y2699	1
Hong Kong (models 91G)	64Y2700	1
Korean (models 91G)	64Y2701	1
Slovenian (models 91G)	64Y2702	1
Russian English (models 91G)	64Y2685	1
Romanian (models 91G)	64Y2706	1
Serbian-Latin (models 91G)	64Y2708	1
Slovakian (models 91G)	64Y2709	1
Arabic Localized (models 91G)	64Y2703	1
Hebrew (models 91G)	64Y2705	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2710	1
C&L 2 Switzerland (EN FR GR IT) (models 91G)	64Y2711	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G)	64Y2712	1

7719 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2800	1
French (models 91G)	64Y2801	1
German (models 91G)	64Y2802	1
Spanish (models 91G)	64Y2803	1
Italian (models 91G)	64Y2805	1
Japanese (models 91G)	64Y6074	1

7719 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
Hong Kong (models 91G)	64Y2807	1
Korean (models 91G)	64Y2804	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2808	1
C&L 2 Switzerland (EN FR GR IT) (models 91G)	64Y2809	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G)	64Y2810	1

7719 Vista Business 64 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2820	1
French (models 91G)	64Y2821	1
German (models 91G)	64Y2822	1
Japanese (models 91G)	64Y6076	1
Simplified Chinese (models 91G)	64Y2824	1

7719 Vista Ultimate 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2811	1
Japanese (models 91G)	64Y6075	1
French (models 91G)	64Y2812	1
German (models 91G)	64Y2813	1
Spanish (models 91G)	64Y2814	1
Italian (models 91G)	64Y2815	1
Hong Kong - Traditional Chinese (models 91G)	64Y2817	1
Arabic localized (models 91G)	64Y2818	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2819	1

7719 Vista Starter 32 Recovery DVDs	FRU#	CRU
English (models 91G)	TBD	1

Machine Type 7721

Item#	7721 FRUs	FRU#	CRU
1	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB (models 91G)	40Y9035	1
1	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB (models 91G)	40Y9036	1
1	Hard disk drive, SATA 320GB 7200rpm SATA/8MB (models 91G)	87H4891	1
1	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB (models 91G)	41X5582	1
1	Hard disk drive, 1TB 7200rpm SATA (models 91G)	45C5973	1
1	Hard disk drive, 150G 10K rpm, SATA (models 91G)	46R8893	1
2	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91G)	53Y6653	N
2	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91G)	53Y6654	N
2	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST, EM64T, EDB) 65W (models 91G)	53Y9049	N
2	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST, EM64T, EDB) M0 65W (models 91G)	53Y9051	N
2	Microprocessor, Q8300 Yorkfield 2.5GHZ, 1333MHz, 4M R-0 (ViiV, EIST, EM64T, EDB) 95W (models 91G)	53Y6656	N
2	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W (models 91G)	46R8640	N
2	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W (models 91G)	45C7735	N
2	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W (models 91G)	45C7736	N
2	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W (models 91G)	45C7737	N
2	Microprocessor, E8190 2.66GHz 1333MHz FSB 6M C-0 - NON VT/Vpro 65W (models 91G)	45R2568	N
2	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W (models 91G)	45R8337	N

Item#	7721 FRUs	FRU#	CRU
2	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W (models 91G)	46R1622	N
2	Microprocessor, E2180 Conroe-L 2.0GHz 800MHz FSB 1M (models 91G)	45C1773	N
2	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M (models 91G)	45C5349	N
2	Microprocessor, E2220 Conroe-L 2.4GHz 800MHz FSB 1M (models 91G)	45C1774	N
2	Microprocessor, E5200 2.5G 800MHz 2M M-0 65W, 45nm (models 91G)	46R9512	N
2	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W (models 91G)	46R1655	N
2	Microprocessor, E1400 2.0GHz 800MHz FSB 512K - NPI M-0 65W (models 91G)	45R8339	N
2	Microprocessor, E1200 1.6GHZ/800MHZ/512K M-0 65W (models 91G)	45R8341	N
2	Microprocessor, Cel-430 Conroe-L 1.8GHz 800MHz FSB 512K (models 91G)	43C1964	N
2	Microprocessor, Cel-440 Conroe-L 2.0GHz 800MHz FSB 512K (models 91G)	43C1965	N
2	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W (models 91G)	46R9514	N
2	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W (models 91G)	46R8642	N
2	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W (models 91G)	46R8644	N
2	Microprocessor, Q8200 2.33GHz 1333FSB 4M M-1 95W (models 91G)	46R9516	N
2	Microprocessor, Q6700 2.66GHZ 1066FSB 8M G-0 Stepping Level, 95W (models 91G)	43C6309	N
2	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W (models 91G)	45C7739	N
2	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W (models 91G)	45C7740	N
2	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W (models 91G)	45C7741	N
2	Microprocessor, E5400 2.7G 800MHz-2MB 65W Non-vPro SKU (models 91G)	64Y1075	N
3	95W heat sink kit with RM (all models)	41R6454	2
3	65W heat sink kit with RM (all models)	43N9349	2
4	Internal speaker 254 mm - optional (all models)	39K5012	2
5	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista (models 91G)	41N3325	1
5	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista (models 91G)	43C1042	1
6	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM (models 91G)	41X4255	1
6	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM (models 91G)	41X4256	1
6	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM (models 91G)	41X4257	1
6	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM (models 91G)	41X1079	1
6	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G)	41X1080	1
6	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G)	41X1081	1
7	System board, Intel G41 BTX(GA) non-AMT (models 91G)	46R8892	N
8	Power supply, 280W Active PFC power supply (Auto sensing) for 10L---Robust, ww, JP (models 91G)	41A9701	N
8	Power supply, 280W 85+ power supply for 10L---Robust, ww, JP (models 91G)	41A9742	N

The FRUs listed in the following tables are not illustrated.

7721 FRUs	FRU#	CRU
Battery 3V - Lithium (models 91G)	45C1566	1
Cable - SATA 250 mm (RoHS) for 1st HDD (all models)	43N9012	2

7721 FRUs	FRU#	CRU
Cable - SATA 600mm (RoHS) (all models)	45J9579	2
Cable - SATA 700 mm (RoHS) for ODD / Second HDD (all models)	43N9011	2
C2 Intrusion Switch 260 mm (all models)	43N9080	2
Rear IO shield BTX (all models)	41R6381	N
Temp Sense Cable (165 mm) (all models)	43N9079	2
Air Deflector, recycle resin (all models)	43N9610	2
HDD Tray ASM (all models)	43N9595	1
Front cage ASM (all models)	43N9596	N
Front cage ASM (all models)	43N9647	N
Cable, Front I_O cable_R (10L_U380_A550)_ESD (all models)	45J9509	2
Models with 3.5″ Convert 2.5″ for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9645	2
3.5″ Convert 2.5″ for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9593	2
Universal Adapter Bracket 5.25 to 3.5 607CT (all models)	43N9676	2
Top cover ASM (all models)	43N9594	1
Cable, LED/Switch cable_R (10L_220 mm_PCBA) (all models)	45J9515	2
NO ODD, EMI Shielding (all models)	43N9641	1
Card reader bezel, 607CT (all models)	43N9642	1
Non-Card reader bezel, 607CT (all models)	43N9643	1
Vertical Stand (all models)	43N9644	1
Front bezel ASM (all models)	43N9677	1
Chassis (all models)	43N9649	N
Rubber foot for vertical (all models)	43N9727	1
Rubber foot for horizontal (all models)	43N9728	1
Thermal Grease (all models)	91P8835	N

7721 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--US English (models 91G)	41A5289	1
USB FULL--Arabic (models 91G)	41A5290	1
USB FULL--Arabic/French (models 91G)	41A5291	1
USB FULL--Belgium French (models 91G)	41A5292	1
USB FULL--Belgium English (models 91G)	41A5293	1
USB FULL--Brazilian Portuguese (models 91G)	41A5294	1
USB FULL--Bulgarian (models 91G)	41A5295	1
USB FULL--Chinese/US (models 91G)	41A5296	1
USB FULL--Czech (ABB) (models 91G)	41A5297	1
USB FULL--Danish (models 91G)	41A5298	1
USB FULL--Dutch (models 91G)	41A5299	1
USB FULL--French (models 91G)	41A5300	1
USB FULL--French Canadian (models 91G)	41A5301	1
USB FULL--French Canadian (models 91G)	41A5302	1
USB FULL--German (models 91G)	41A5303	1

7721 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--Greek (models 91G)	41A5304	1
USB FULL--Greek/US (models 91G)	41A5305	1
USB FULL--Hebrew (models 91G)	41A5306	1
USB FULL--Hungarian (models 91G)	41A5307	1
USB FULL--Iceland (models 91G)	41A5308	1
USB FULL--Italy (models 91G)	41A5309	1
USB FULL--Japanese (models 91G)	41A5310	1
USB FULL--Korean (models 91G)	41A5311	1
USB FULL--LA Spanish (models 91G)	41A5312	1
USB FULL--Norwegian (models 91G)	41A5313	1
USB FULL--Polish (models 91G)	41A5314	1
USB FULL--Portuguese (models 91G)	41A5315	1
USB FULL--Romanian (models 91G)	41A5317	1
USB FULL--Romanian (models 91G)	41A5316	1
USB FULL--Russian/Cyrillic (models 91G)	41A5318	1
USB FULL--Serbian/Cyrillic (models 91G)	41A5319	1
USB FULL--Slovak (models 91G)	41A5320	1
USB FULL--Spanish (models 91G)	41A5321	1
USB FULL--Swedish/Finnish (models 91G)	41A5322	1
USB FULL--Swiss French/German (models 91G)	41A5323	1
USB FULL--Thailand (models 91G)	41A5324	1
USB FULL--Turkish (models 91G)	41A5325	1
USB FULL--Turkish (models 91G)	41A5326	1
USB FULL --UK English (models 91G)	41A5327	1
USB FULL--US Euro (models 91G)	41A5328	1
USB FULL--Slovenian (models 91G)	41A5329	1
USB FULL--Arabic (New) (models 91G)	45J4880	1
USB FULL--Lithuanian (models 91G)	45J4896	1
USB FULL--Estonia (models 91G)	51J0059	1

7721 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
US English (models 91G)	41R0038	1
Arabic (models 91G)	41R0039	1
Arabic/French (models 91G)	41R0040	1
Belgium French (models 91G)	41R0041	1
Belgium English (models 91G)	41R0042	1
Brazilian Portuguese (models 91G)	41R0043	1
Bulgarian (models 91G)	41R0044	1
Chinese/US (models 91G)	41R0045	1
Czech (ABB) (models 91G)	41R0046	1
Danish (models 91G)	41R0047	1

7721 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
Dutch (models 91G)	41R0048	1
French (models 91G)	41R0049	1
French Canadian (models 91G)	41R0050	1
French Canadian (models 91G)	41R0051	1
German (models 91G)	41R0052	1
Greek (models 91G)	41R0053	1
Greek/US (models 91G)	41R0054	1
Hebrew (models 91G)	41R0055	1
Hungarian (models 91G)	41R0056	1
Iceland (models 91G)	41R0057	1
Italian (models 91G)	41R0058	1
Japanese (models 91G)	41R0059	1
Korean (models 91G)	41R0060	1
LA Spanish (models 91G)	41R0061	1
Norwegian (models 91G)	41R0062	1
Polish (models 91G)	41R0063	1
Portuguese (models 91G)	41R0064	1
Romanian (models 91G)	41R0065	1
Romanian (models 91G)	41R0066	1
Russian/Cyrillic (models 91G)	41R0067	1
Serbian/Cyrillic (models 91G)	41R0068	1
Slovak (models 91G)	41R0069	1
Spanish (models 91G)	41R0070	1
Swedish/Finnish (models 91G)	41R0071	1
Swiss French/German (models 91G)	41R0072	1
Thailand (models 91G)	41R0073	1
Turkish (models 91G)	41R0074	1
Turkish (models 91G)	41R0075	1
UK English (models 91G)	41R0076	1
US Euro (models 91G)	41R0077	1
Slovenian (models 91G)	41R0078	1

7721 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--US English (models 91G)	41A5039	1
PS/2 Full--Arabic (models 91G)	41A5040	1
PS/2 Full--Arabic/French (models 91G)	41A5041	1
PS/2 Full--Belgium French (models 91G)	41A5042	1
PS/2 Full--Belgium English (models 91G)	41A5043	1
PS/2 Full--Brazilian Portuguese (models 91G)	41A5044	1
PS/2 Full--Bulgarian (models 91G)	41A5045	1
PS/2 Full--Chinese/US (models 91G)	41A5046	1

7721 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--Czech (ABB) (models 91G)	41A5047	1
PS/2 Full--Danish (models 91G)	41A5048	1
PS/2 Full--Dutch (models 91G)	41A5049	1
PS/2 Full--French (models 91G)	41A5050	1
PS/2 Full--French Canadian (models 91G)	41A5051	1
PS/2 Full--French Canadian (models 91G)	41A5052	1
PS/2 Full--German (models 91G)	41A5053	1
PS/2 Full--Greek (models 91G)	41A5054	1
PS/2 Full--Greek/US (models 91G)	41A5080	1
PS/2 Full--Hebrew (models 91G)	41A5055	1
PS/2 Full--Hungarian (models 91G)	41A5056	1
PS/2 Full--Iceland (models 91G)	41A5057	1
PS/2 Full--Italian (models 91G)	41A5058	1
PS/2 Full--Japanese (models 91G)	41A5059	1
PS/2 Full--Korean (models 91G)	41A5060	1
PS/2 Full--LA Spanish (models 91G)	41A5061	1
PS/2 Full--Norwegian (models 91G)	41A5062	1
PS/2 Full--Polish (models 91G)	41A5063	1
PS/2 Full--Portuguese (models 91G)	41A5064	1
PS/2 Full--Romanian (models 91G)	41A5065	1
PS/2 Full--Russian/Cyrillic (models 91G)	41A5066	1
PS/2 Full--Serbian/Cyrillic (models 91G)	41A5067	1
PS/2 Full--Slovak (models 91G)	41A5068	1
PS/2 Full--Spanish (models 91G)	41A5069	1
PS/2 Full--Swedish/Finnish (models 91G)	41A5070	1
PS/2 Full--Swiss French/German (models 91G)	41A5071	1
PS/2 Full--Thailand (models 91G)	41A5072	1
PS/2 Full--Turkish (models 91G)	41A5073	1
PS/2 Full--Turkish (models 91G)	41A5074	1
PS/2 Full--UK English (models 91G)	41A5075	1
PS/2 Full--US Euro (models 91G)	41A5076	1
PS/2 Full--Slovenian (models 91G)	41A5077	1

7721 Mice	FRU#	CRU
Optical Wheel Mouse OPT (400DPI, USB) (models 91G)	41U3013	1
Optical Wheel Mouse OPT (400DPI, USB) (models 91G)	41U3030	1
PS/2 Three button ball mouse scrollpoint (41R0017) (models 91G)	41R0018	1

7721 Adapters and miscellaneous FRUs	FRU#	CRU
Internal 25 in 1 USB Memory Card Reader Slim (models 91G)	46R1529	1
IEEE 1394 Firewire Adapter (models 91G)	41D2781	1

7721 Adapters and miscellaneous FRUs	FRU#	CRU
Soft Modem V.90/V.44 (models 91G)	46R4220	1
Speaker power brick - US, Canada, LA low voltage, ASEAN (models 91G)	89P8571	1
Speaker power brick - LA high voltage (non-APU) (models 91G)	89P8575	1
Speaker power brick - Simplified Chinese, Thailand EMEA (models 91G)	89P8581	1
Speaker power brick - Japanese (models 91G)	89P8577	1
Speaker power brick - Brazil (models 91G)	89P8583	1
Speaker power brick - Argentina (models 91G)	41A4901	1
Speaker power brick - ANZ (models 91G)	89P8579	1
Speaker power brick - Korea (models 91G)	41A4903	1
Speaker power brick - Hong Kong, EMEA, Ireland (models 91G)	89P8573	1
Speaker power brick -Taiwan-Traditional Chinese (models 91G)	41A4905	1
Speaker power brick - India, South Africa (models 91G)	89P8585	1
2-pc external speaker--primary (models 91G)	41A5331	1
2-pc external speaker-secondary (models 91G)	41A5334	1
DVI-I(M)-VGA(F) cord (models 91G)	41R3342	1
ATI HD3470 GDDR3 256MB - VGA+DP (models 91G)	46R1521	1
ADD2 DVI-D Adapter, (HDCP) DVD-D connection Adapter Low Profile (Silicon Image) (models 91G)	43C0258	1
DisplayPort to DVI-D Dongle (models 91G)	43N9160	1
DisplayPort to VGA Dongle (models 91G)	45J9524	1
Modem phone cable (models 91G)	39K5120	1
LI140mm Rear Com2 cable II mini® (models 91G)	43N9062	2
Rear USB 2 Ports II LP® 350 mm (models 91G)	43N9124	2
NVIDIA G100 DDR2 256MB LP - DVI-I (With DVI-I to VGA Dongle) (models 91G)	53Y9341	1

7721 Power Cords (Primary)	FRU #	CRU
Power cord - US (models 91G)	41R3184	1
Power cord - China (models 91G)	41R3256	1
Power Cord - Japanese and Japanese English (models 91G)	41R3248	1
Power cord - Brazil (models 91G)	41R3270	1
Power cord - LA High Volt (APU) (models 91G)	41R3176	1
Power cord - Australia / New Zealand (models 91G)	41R3196	1
Power cord - Korea (models 91G)	41R3260	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91G)	41R3224	1
Power cord - Taiwan (models 91G)	41R3278	1
Power cord - Italy (models 91G)	41R3232	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91G)	41R3208	1
Power cord - Denmark (models 91G)	41R3212	1
Power cord - Switzerland (models 91G)	41R3228	1
Power cord - Israel (models 91G)	41R3236	1

7721 Power Cords (Primary)	FRU #	CRU
Power cord - South Africa (models 91G)	41R3220	1
Power cord - India (models 91G)	41R3341	1
Power cord - Thailand (models 91G)	43N9029	1

7721 Power Cords (Secondary)	FRU#	CRU
Power cord - US (models 91G)	41R3185	1
Power cord - China (models 91G)	41R3257	1
Power Cord - Japanese and Japanese English (models 91G)	41R3249	1
Power cord - Brazil (models 91G)	41R3271	1
Power cord - LA High Volt (APU) (models 91G)	41R3177	1
Power cord - Australia / New Zealand (models 91G)	41R3197	1
Power cord - Korea (models 91G)	41R3261	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91G)	41R3225	1
Power cord - Taiwan (models 91G)	41R3279	1
Power cord - Italy (models 91G)	41R3233	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91G)	41R3209	1
Power cord - Denmark (models 91G)	41R3213	1
Power cord - Switzerland (models 91G)	41R3229	1
Power cord - Israel (models 91G)	41R3237	1
Power cord - South Africa (models 91G)	41R3221	1
Power cord - India (models 91G)	41R3175	1
Power cord - Thailand (models 91G)	43N9030	1
Power cord - Y cable for Brazil (models 91G)	43N9044	1

7721 Windows XP Home Recovery CDs	FRU#	CRU
US English/UK/Asia Pacific (models 91G)	TBD	1
French/French Canadian (models 91G)	TBD	1
Greek (models 91G)	TBD	1
Italy (models 91G)	TBD	1
Brazilian (models 91G)	TBD	1
Spanish/LA (models 91G)	TBD	1
Danish (models 91G)	TBD	1
Dutch (models 91G)	TBD	1
Arabic (models 91G)	TBD	1
Swedish (models 91G)	TBD	1
Hebrew (models 91G)	TBD	1
Finnish (models 91G)	TBD	1
Norwegian (models 91G)	TBD	1
Polish (models 91G)	TBD	1

7721 Windows XP Home Recovery CDs	FRU#	CRU
Portuguese (models 91G)	TBD	1
Russian (models 91G)	TBD	1
Russian English (models 91G)	TBD	1
Hungarian (models 91G)	TBD	1
Czech (models 91G)	TBD	1
Turkish native (models 91G)	TBD	1
Greek (models 91G)	TBD	1
Japanese (models 91G)	TBD	1
Simplified Chinese (models 91G)	TBD	1
Taiwan-TC (models 91G)	TBD	1
Hong Kong-TC (models 91G)	TBD	1
Korean (models 91G)	TBD	1

7721 Windows XP Pro Recovery CDs	FRU#	CRU
US English (models 91G)	64Y5685	1
French (models 91G)	64Y5686	1
German (models 91G)	64Y5687	1
Italian (models 91G)	64Y5690	1
Brazilian Portuguese (models 91G)	64Y5689	1
Spanish (models 91G)	64Y5688	1
Danish (models 91G)	64Y5694	1
Dutch (models 91G)	64Y5695	1
Arabic (models 91G)	64Y5699	1
Swedish (models 91G)	64Y5693	1
Hebrew (models 91G)	63Y8286	1
Finnish (models 91G)	64Y5697	1
Norwegian (models 91G)	64Y5692	1
Polish (models 91G)	64Y5698	1
Portuguese (models 91G)	63Y8294	1
Russian (models 91G)	64Y5700	1
Russian English (models 91G)	63Y8290	1
Hungarian (models 91G)	63Y8292	1
Czech (models 91G)	64Y5696	1
Turkish (models 91G)	64Y5701	1
Greek (models 91G)	64Y5702	1
Slovenian (models 91G)	63Y8295	1
Japanese (models 91G)	64Y6068	1
Simplified Chinese (models 91G)	64Y5703	1
Taiwan-TC (models 91G)	64Y5704	1
Hong Kong-TC (models 91G)	64Y5705	1
Korean (models 91G)	63Y8299	1

7721 Windows XP Pro Recovery CDs	FRU#	CRU
MUI Nordics (EN-DK-FI-NO-SV) (models 91G)	64Y4801	1
MUI Switz (EN-FR-GR-IT) (models 91G)	64Y4802	1
MUI Bel-Lux (EN-FR-GR-NL) (models 91G)	64Y4803	1

7721 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2771	1
French (models 91G)	64Y2773	1
German (models 91G)	64Y2774	1
Spanish (models 91G)	64Y2775	1
Brazilian (models 91G)	64Y2776	1
Italian (models 91G)	64Y2777	1
Japanese (models 91G)	64Y6073	1
Dutch (models 91G)	64Y2791	1
Czech (models 91G)	64Y2778	1
Polish (models 91G)	64Y2779	1
Russian (models 91G)	64Y2780	1
Turkish (models 91G)	64Y2781	1
Hungarian (models 91G)	64Y2782	1
Greek (models 91G)	64Y2783	1
Portuguese (models 91G)	64Y2794	1
Simplified Chinese (models 91G)	64Y2785	1
Hong Kong (models 91G)	64Y2787	1
Traditional Chinese (models 91G)	64Y2786	1
Korean (models 91G)	64Y2788	1
Slovenian (models 91G)	64Y2789	1
Russian English (models 91G)	64Y2772	1
Hebrew (models 91G)	64Y2792	1
Arabic Localized (models 91G)	64Y2790	1
Slovakian (models 91G)	64Y2796	1
Romanian (models 91G)	64Y2793	1
Serbian-Latin (models 91G)	64Y2795	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2797	1
C&L 2 Switzerland (EN FR GR IT) (models 91G)	64Y2798	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G)	64Y2799	1

7721 Vista Business 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2684	1
French (models 91G)	64Y2686	1
German (models 91G)	64Y2687	1
Spanish (models 91G)	64Y2688	1
Brazilian Portuguese (models 91G)	64Y2689	1

7721 Vista Business 32 Recovery DVDs	FRU#	CRU
Italian (models 91G)	64Y2690	1
Japanese (models 91G)	64Y6071	1
Dutch (models 91G)	64Y2704	1
Czech (models 91G)	64Y2691	1
Polish (models 91G)	64Y2692	1
Russian (models 91G)	64Y2693	1
Turkish (models 91G)	64Y2694	1
Hungarian (models 91G)	64Y2695	1
Greek (models 91G)	64Y2696	1
Portuguese (models 91G)	64Y2707	1
Simplified Chinese (models 91G)	64Y2698	1
Traditional Chinese (models 91G)	64Y2699	1
Hong Kong (models 91G)	64Y2700	1
Korean (models 91G)	64Y2701	1
Slovenian (models 91G)	64Y2702	1
Russian English (models 91G)	64Y2685	1
Romanian (models 91G)	64Y2706	1
Serbian-Latin (models 91G)	64Y2708	1
Slovakian (models 91G)	64Y2709	1
Arabic Localized (models 91G)	64Y2703	1
Hebrew (models 91G)	64Y2705	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2710	1
C&L 2 Switzerland (EN FR GR IT) (models 91G)	64Y2711	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G)	64Y2712	1

7721 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2800	1
French (models 91G)	64Y2801	1
German (models 91G)	64Y2802	1
Spanish (models 91G)	64Y2803	1
Italian (models 91G)	64Y2805	1
Japanese (models 91G)	64Y6074	1
Hong Kong (models 91G)	64Y2807	1
Korean (models 91G)	64Y2804	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2808	1
C&L 2 Switzerland (EN FR GR IT) (models 91G)	64Y2809	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G)	64Y2810	1

7721 Vista Business 64 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2820	1
French (models 91G)	64Y2821	1

7721 Vista Business 64 Recovery DVDs	FRU#	CRU
German (models 91G)	64Y2822	1
Japanese (models 91G)	64Y6076	1
Simplified Chinese (models 91G)	64Y2824	1

7721 Vista Ultimate 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2811	1
Japanese (models 91G)	64Y6075	1
French (models 91G)	64Y2812	1
German (models 91G)	64Y2813	1
Spanish (models 91G)	64Y2814	1
Italian (models 91G)	64Y2815	1
Hong Kong - Traditional Chinese (models 91G)	64Y2817	1
Arabic localized (models 91G)	64Y2818	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2819	1

7721 Vista Starter 32 Recovery DVDs	FRU#	CRU
English (models 91G)	TBD	1

Machine Type 7749
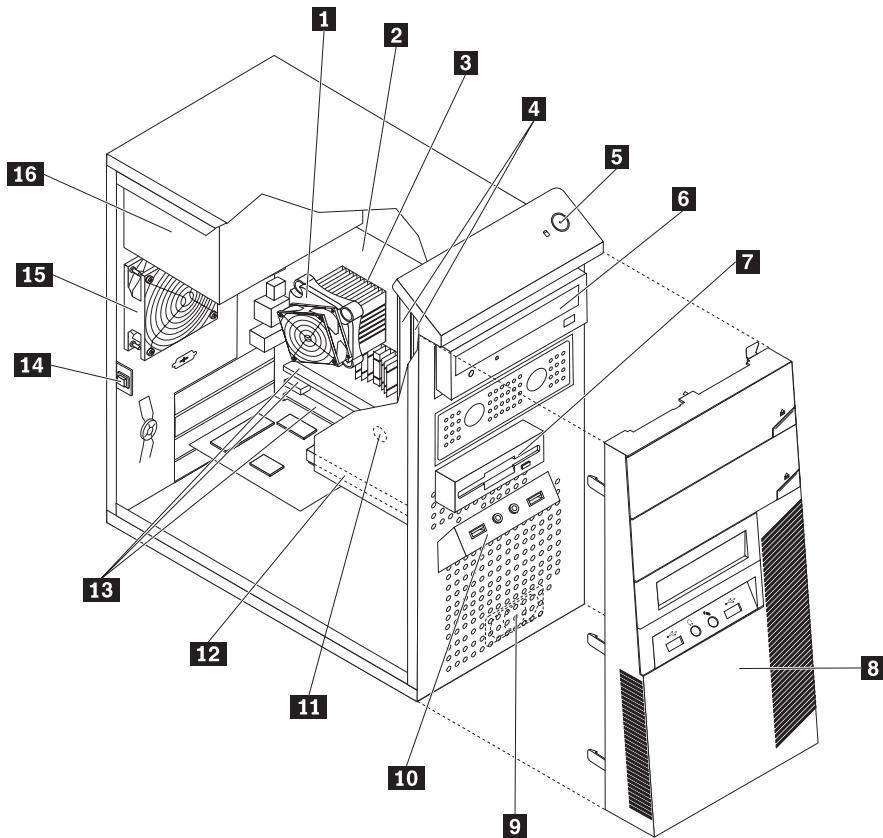
Item#	7749 FRUs	FRU#	CRU
1	Intel 95W/65W Heatsink (all models)	43N9409	2
1	Intel 65W heat sink (all models)	43N9708	2
2	System board, Intel G41 MATX(GA) non-AMT (models 91G 91J)	46R8891	N
3	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91G 91J)	53Y6653	N
3	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models)	53Y6654	N
3	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST, EM64T, EDB) 65W (models)	53Y9049	N
3	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST, EM64T, EDB) M0 65W (models)	53Y9051	N
3	Microprocessor, Q8300 Yorkfield 2.5GHZ, 1333MHz, 4M R-0 (ViiV, EIST, EM64T, EDB) 95W (models)	53Y6656	N
3	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W (models)	46R8640	N
3	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W (models)	45C7735	N
3	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W (models)	45C7736	N
3	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W (models)	45C7737	N
3	Microprocessor, E8190 2.66GHz 1333MHz FSB 6M C-0 - NON VT/Vpro 65W (models)	45R2568	N
3	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W (models)	45R8337	N
3	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W (models)	46R1622	N

Item#	7749 FRUs	FRU#	CRU
3	Microprocessor, E2180 Conroe-L 2.0GHz 800MHz FSB 1M (models)	45C1773	N
3	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M (models)	45C5349	N
3	Microprocessor, E2220 Conroe-L 2.4GHz 800MHz FSB 1M (models)	45C1774	N
3	Microprocessor, E5200 2.5G 800MHz 2M M-0 65W, 45nm (models)	46R9512	N
3	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W (models)	46R1655	N
3	Microprocessor, E1400 2.0GHz 800MHz FSB 512K - NPI M-0 65W (models)	45R8339	N
3	Microprocessor, E1200 1.6GHZ/800MHZ/512K M-0 65W (models)	45R8341	N
3	Microprocessor, Cel-430 Conroe-L 1.8GHz 800MHz FSB 512K (models)	43C1964	N
3	Microprocessor, Cel-440 Conroe-L 2.0GHz 800MHz FSB 512K (models)	43C1965	N
3	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W (models)	46R9514	N
3	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W (models)	46R8642	N
3	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W (models)	46R8644	N
3	Microprocessor, Q8200 2.33GHz 1333FSB 4M M-1 95W (models)	46R9516	N
3	Microprocessor, Q6700 2.66GHZ 1066FSB 8M G-0 Stepping Level, 95W (models)	43C6309	N
3	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W (models)	45C7739	N
3	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W (models)	45C7740	N
3	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W (models)	45C7741	N
3	Microprocessor, E5400 2.7G 800MHz 2MB 65W Non-vPro SKU (models)	64Y1075	N
4	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4255	1
4	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4256	1
4	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4257	1
4	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM (models)	41X1079	1
4	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM (models)	41X1080	1
4	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G 91J)	41X1081	1
6	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista (models)	41N3325	1
6	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista (models 91G 91J)	43C1042	1
6	Optical drive, Blu-ray Recorder / DVD Super Multi (models)	53Y7643	1
7	Diskette drive, 3.5″ 1.44MB 2 Mode FDD with Bezel and cable (models)	40Y9107	1
7	Diskette drive, 3.5″ 1.44MB 2 Mode FDD with Bezel and cable (models)	40Y9105	1
8	Front bezel assembly (all models)	43N9662	1
8	Front bezel with ODD door assembly (all models)	43N9694	2
9	Internal speaker 400mm -- Optional (all models)	43N9091	2
11	Battery 3V - Lithium (models 91G 91J)	45C1566	1
12	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB (models)	40Y9035	1
12	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB (models)	40Y9036	1
12	Hard disk drive, SATA 320GB 7200rpm SATA/8MB (models 91G 91J)	87H4891	1
12	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB (models)	41X5582	1
12	Hard disk drive, 1TB 7200rpm SATA (models)	45C5973	1
12	Hard disk drive, 150G 10K rpm, SATA (models)	46R8893	1
14	Intrusion Switch Asm 475mm --Optional (all models)	39K5022	2

Item#	7749 FRUs	FRU#	CRU
14	Intrusion Switch Asm (all models)	41R6116	2
15	System fan, rear (all models)	41R6269	2
16	Power supply, ATX 450W 80% power supply, Robust, WW, JP (models 91G 91J)	41A9721	2
16	Power supply, ATX 280W power supply, Robust, WW (models 91G)	41A9684	2
16	Power supply, ATX 280W 80% power supply, Robust, WW, JP (models 91G 91J)	41A9665	2

The FRUs listed in the following tables are not illustrated.

7749 FRUs	FRU#	CRU
System fan, front fan used for 2X500G (all models)	43N9599	2
Shield, 5.25 EMC FOR 1st ODD Bay (all models)	41N8080	1
Cable - SATA 457 mm (RoHS) for ODD (all models)	43N9013	2
Cable - SATA, Second HDD, 120 mm, 1 latching for Device, RoHS (all models)	41R3328	2
Cable - SATA 250 mm (RoHS) for 1st HDD (all models)	43N9012	2
Second HDD Bracket Asm (all models)	41R6106	1
FDD EMC Shield (all models)	41N8078	1
Temp Sense Cable (6pin 460 mm) (all models)	45J9495	2
FDD Cable (all models)	41A7182	2
FDD Cable, 310 mm (all models)	41A7147	2
I/O Shield - Ace (all models)	41N8053	2
HDD Tray (all models)	41R6291	1
ODD/FDD/Cardreader Retainers (all models)	43N9351	1
Cable Clip, FW-6D (all models)	43N9462	2
Power switch cable, 760 mm (all models)	45J9512	2
Front I_O cable_R (all models)	45J9506	2
ODD door assembly (all models)	43N9663	1
No FDD cover assembly (all models)	43N9664	1
FDD/Cardreader cover (all models)	43N9665	1
USB cover (all models)	43N9666	1
Top handle assembly (all models)	43N9667	1
3.5'' Convert 2.5'' for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9593	2
Thermal Grease (all models)	91P8835	N

7749 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--US English (models 91G)	41A5289	1
USB FULL--Arabic (models 91G)	41A5290	1
USB FULL--Arabic/French (models 91G)	41A5291	1
USB FULL--Belgium French (models 91G)	41A5292	1
USB FULL--Belgium English (models 91G)	41A5293	1
USB FULL--Brazilian Portuguese (models)	41A5294	1
USB FULL--Bulgarian (models 91G)	41A5295	1

7749 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--Chinese/US (models)	41A5296	1
USB FULL--Czech (ABB) (models 91G)	41A5297	1
USB FULL--Danish (models 91G)	41A5298	1
USB FULL--Dutch (models 91G)	41A5299	1
USB FULL--French (models 91G)	41A5300	1
USB FULL--French Canadian (models 91G)	41A5301	1
USB FULL--French Canadian (models 91G)	41A5302	1
USB FULL--German (models 91G)	41A5303	1
USB FULL--Greek (models 91G)	41A5304	1
USB FULL--Greek/US (models 91G)	41A5305	1
USB FULL--Hebrew (models 91G)	41A5306	1
USB FULL--Hungarian (models 91G)	41A5307	1
USB FULL--Iceland (models 91G)	41A5308	1
USB FULL--Italy (models 91G)	41A5309	1
USB FULL--Japanese (models 91J)	41A5310	1
USB FULL--Korean (models)	41A5311	1
USB FULL--LA Spanish (models)	41A5312	1
USB FULL--Norwegian (models 91G)	41A5313	1
USB FULL--Polish (models 91G)	41A5314	1
USB FULL--Portuguese (models 91G)	41A5315	1
USB FULL--Romanian (models 91G)	41A5317	1
USB FULL--Romanian (models 91G)	41A5316	1
USB FULL--Russian/Cyrillic (models 91G)	41A5318	1
USB FULL--Serbian/Cyrillic (models 91G)	41A5319	1
USB FULL--Slovak (models 91G)	41A5320	1
USB FULL--Spanish (models 91G)	41A5321	1
USB FULL--Swedish/Finnish (models 91G)	41A5322	1
USB FULL--Swiss French/German (models 91G)	41A5323	1
USB FULL--Thailand (models)	41A5324	1
USB FULL--Turkish (models 91G)	41A5325	1
USB FULL--Turkish (models 91G)	41A5326	1
USB FULL --UK English (models 91G)	41A5327	1
USB FULL--US Euro (models 91G)	41A5328	1
USB FULL--Slovenian (models 91G)	41A5329	1
USB FULL--Lithuanian (models 91G)	45J4896	1
USB FULL--Estonia (models CTO)	51J0059	1

7749 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
US English (models)	41R0038	1
Arabic (models)	41R0039	1
Arabic/French (models)	41R0040	1

7749 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
Belgium French (models)	41R0041	1
Belgium English (models)	41R0042	1
Brazilian Portuguese (models)	41R0043	1
Bulgarian (models)	41R0044	1
Chinese/US (models)	41R0045	1
Czech (ABB) (models)	41R0046	1
Danish (models)	41R0047	1
Dutch (models)	41R0048	1
French (models)	41R0049	1
French Canadian (models)	41R0050	1
French Canadian (models)	41R0051	1
German (models)	41R0052	1
Greek (models)	41R0053	1
Greek/US (models)	41R0054	1
Hebrew (models)	41R0055	1
Hungarian (models)	41R0056	1
Iceland (models)	41R0057	1
Italian (models)	41R0058	1
Japanese (models)	41R0059	1
Korean (models)	41R0060	1
LA Spanish (models)	41R0061	1
Norwegian (models)	41R0062	1
Polish (models)	41R0063	1
Portuguese (models)	41R0064	1
Romanian (models)	41R0065	1
Romanian (models)	41R0066	1
Russian/Cyrillic (models)	41R0067	1
Serbian/Cyrillic (models)	41R0068	1
Slovak (models)	41R0069	1
Spanish (models)	41R0070	1
Swedish/Finnish (models)	41R0071	1
Swiss French/German (models)	41R0072	1
Thailand (models)	41R0073	1
Turkish (models)	41R0074	1
Turkish (models)	41R0075	1
UK English (models)	41R0076	1
US Euro (models)	41R0077	1
Slovenian (models)	41R0078	1

7749 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--US English (models)	41A5039	1

7749 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--Arabic (models)	41A5040	1
PS/2 Full--Arabic (New) (models)	45J4880	1
PS/2 Full--Arabic/French (models)	41A5041	1
PS/2 Full--Belgium French (models)	41A5042	1
PS/2 Full--Belgium English (models)	41A5043	1
PS/2 Full--Brazilian Portuguese (models)	41A5044	1
PS/2 Full--Bulgarian (models)	41A5045	1
PS/2 Full--Chinese/US (models)	41A5046	1
PS/2 Full--Czech (ABB) (models)	41A5047	1
PS/2 Full--Danish (models)	41A5048	1
PS/2 Full--Dutch (models)	41A5049	1
PS/2 Full--French (models)	41A5050	1
PS/2 Full--French Canadian (models)	41A5051	1
PS/2 Full--French Canadian (models)	41A5052	1
PS/2 Full--German (models)	41A5053	1
PS/2 Full--Greek (models)	41A5054	1
PS/2 Full--Greek/US (models)	41A5080	1
PS/2 Full--Hebrew (models)	41A5055	1
PS/2 Full--Hungarian (models)	41A5056	1
PS/2 Full--Iceland (models)	41A5057	1
PS/2 Full--Italian (models)	41A5058	1
PS/2 Full--Japanese (models)	41A5059	1
PS/2 Full--Korean (models)	41A5060	1
PS/2 Full--LA Spanish (models)	41A5061	1
PS/2 Full--Norwegian (models)	41A5062	1
PS/2 Full--Polish (models)	41A5063	1
PS/2 Full--Portuguese (models)	41A5064	1
PS/2 Full--Romanian (models)	41A5065	1
PS/2 Full--Russian/Cyrillic (models)	41A5066	1
PS/2 Full--Serbian/Cyrillic (models)	41A5067	1
PS/2 Full--Slovak (models)	41A5068	1
PS/2 Full--Spanish (models)	41A5069	1
PS/2 Full--Swedish/Finnish (models)	41A5070	1
PS/2 Full--Swiss French/German (models)	41A5071	1
PS/2 Full--Thailand (models)	41A5072	1
PS/2 Full--Turkish (models)	41A5073	1
PS/2 Full--Turkish (models)	41A5074	1
PS/2 Full--UK English (models)	41A5075	1
PS/2 Full--US Euro (models)	41A5076	1
PS/2 Full--Slovenian (models)	41A5077	1

7749 Mice	FRU#	CRU
Optical Wheel Mouse OPT (400DPI, USB) (models 91G 91J)	41U3013	1
Optical Wheel Mouse OPT (400DPI, USB) (models 91G 91J)	41U3030	1
PS/2 Three button ball mouse scrollpoint (41R0017) (models)	41R0018	1

7749 Adapters and miscellaneous FRUs	FRU#	CRU
Internal 25 in 1 USB Memory Card Reader (models)	45R8139	1
IEEE 1394 Firewire Adapter ATX (models)	41D2781	1
Speaker power brick - US, Canada, LA low voltage, ASEAN (models)	89P8571	1
Speaker power brick - LA high voltage (non-APU) (models)	89P8575	1
Speaker power brick - Simplified Chinese, Thailand EMEA (models 91G)	89P8581	1
Speaker power brick - Japanese (models 91J)	89P8577	1
Speaker power brick - Brazil (models)	89P8583	1
Speaker power brick - Argentina (models)	41A4901	1
Speaker power brick - ANZ (models)	89P8579	1
Speaker power brick - Korea (models)	41A4903	1
Speaker power brick - Hong Kong, EMEA, Ireland (models 91G)	89P8573	1
Speaker power brick -Taiwan-Traditional Chinese (models)	41A4905	1
Speaker power brick - India, South Africa (models)	89P8585	1
2-pc external speaker--primary (models)	41A5331	1
2-pc external speaker-secondary (models)	41A5334	1
DVI-I(M)-VGA(F) cord (models)	41R3342	1
Geforce 9500GT GDDR3 512MB - DVI+HDMI+DP (models)	46R1524	1
ATI HD3470 GDDR3 256MB - VGA+DP (models)	46R1521	1
ADD2 DVI-D Adapter, (HDCP) DVD-D connection Adapter Low Profile (Silicon Image) (models)	43C0258	1
DisplayPort to DVI-D Dongle (models)	43N9160	1
DisplayPort to VGA Dongle (models)	45J9524	1
Modem phone cable (models)	39K5120	1
LI300mm Rear USB 2Ports II HP® (models)	42Y8005	2
LI350mm Rear Com2 cable II mini® (models)	41R8548	2
NVIDIA G100 DDR2 256MB ATX - DVI-I+VGA (models)	53Y9249	1
Soft Modem V.90/V.44 ATX (models)	46R4220	1

7749 Power Cords (Primary)	FRU #	CRU
Power cord - US (models)	41R3184	1
Power cord - China (models)	41R3256	1
Power Cord - Japanese and Japanese English (models 91J)	41R3248	1
Power cord - Brazil (models)	41R3270	1
Power cord - LA High Volt (APU) (models)	41R3176	1
Power cord - Australia / New Zealand (models)	41R3196	1
Power cord - Korea (models)	41R3260	1

7749 Power Cords (Primary)	FRU #	CRU
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models)	41R3224	1
Power cord - Taiwan (models)	41R3278	1
Power cord - Italy (models)	41R3232	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models)	41R3208	1
Power cord - Denmark (models 91G)	41R3212	1
Power cord - Switzerland (models 91G)	41R3228	1
Power cord - Israel (models 91G)	41R3236	1
Power cord - South Africa (models 91G)	41R3220	1
Power cord - India (models)	41R3341	1
Power cord - Thailand (models)	43N9029	1

7749 Power Cords (Secondary)	FRU#	CRU
Power cord - US (models)	41R3185	1
Power cord - China (models)	41R3257	1
Power Cord - Japanese and Japanese English (models 91J)	41R3249	1
Power cord - Brazil (models)	41R3271	1
Power cord - LA High Volt (APU) (models)	41R3177	1
Power cord - Australia / New Zealand (models)	41R3197	1
Power cord - Korea (models)	41R3261	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models)	41R3225	1
Power cord - Taiwan (models)	41R3279	1
Power cord - Italy (models)	41R3233	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models)	41R3209	1
Power cord - Denmark (models 91G)	41R3213	1
Power cord - Switzerland (models 91G)	41R3229	1
Power cord - Israel (models 91G)	41R3237	1
Power cord - South Africa (models 91G)	41R3221	1
Power cord - India (models)	41R3175	1
Power cord - Thailand (models)	43N9030	1
Power cord - Y cable for Brazil (models)	43N9044	1

7749 Windows XP Home Recovery CDs	FRU#	CRU
US English/UK/Asia Pacific (models)	TBD	1
French/French Canadian (models)	TBD	1
Greek (models)	TBD	1
Italy (models)	TBD	1
Brazilian (models)	TBD	1
Spanish/LA (models)	TBD	1

7749 Windows XP Home Recovery CDs	FRU#	CRU
Danish (models)	TBD	1
Dutch (models)	TBD	1
Arabic (models)	TBD	1
Swedish (models)	TBD	1
Hebrew (models)	TBD	1
Finnish (models)	TBD	1
Norwegian (models)	TBD	1
Polish (models)	TBD	1
Portuguese (models)	TBD	1
Russian (models)	TBD	1
Russian English (models)	TBD	1
Hungarian (models)	TBD	1
Czech (models)	TBD	1
Turkish native (models)	TBD	1
Greek (models)	TBD	1
Japanese (models)	TBD	1
Simplified Chinese (models)	TBD	1
Taiwan-TC (models)	TBD	1
Hong Kong-TC (models)	TBD	1
Korean (models)	TBD	1

7749 Windows XP Pro Recovery CDs	FRU#	CRU
US English (models)	64Y5685	1
French (models)	64Y5686	1
German (models)	64Y5687	1
Italian (models)	64Y5690	1
Brazilian Portuguese (models)	64Y5689	1
Spanish (models)	64Y5688	1
Danish (models)	64Y5694	1
Dutch (models)	64Y5695	1
Arabic (models)	64Y5699	1
Swedish (models)	64Y5693	1
Hebrew (models)	63Y8286	1
Finnish (models)	64Y5697	1
Norwegian (models)	64Y5692	1
Polish (models)	64Y5698	1
Portuguese (models)	63Y8294	1
Russian (models)	64Y5700	1
Russian English (models)	63Y8290	1
Hungarian (models)	63Y8292	1
Czech (models)	64Y5696	1

7749 Windows XP Pro Recovery CDs	FRU#	CRU
Turkish (models)	64Y5701	1
Greek (models)	64Y5702	1
Slovenian (models)	63Y8295	1
Japanese (models)	64Y6068	1
Simplified Chinese (models)	64Y5703	1
Taiwan-TC (models)	64Y5704	1
Hong Kong-TC (models)	64Y5705	1
Korea (models)	63Y8299	1
MUI Nordics (EN-DK-FI-NO-SV) (models)	64Y4801	1
MUI Switz (US EN-FR -GR-IT) (models)	64Y4802	1
MUI Bel-Lux (EN-FR-GR-NL) (models)	64Y4803	1

7749 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2771	1
French (models)	64Y2773	1
German (models)	64Y2774	1
Spanish (models)	64Y2775	1
Brazilian (models)	64Y2776	1
Italian (models)	64Y2777	1
Japanese (models)	64Y6073	1
Dutch (models)	64Y2791	1
Czech (models)	64Y2778	1
Polish (models)	64Y2779	1
Russian (models)	64Y2780	1
Turkish (models)	64Y2781	1
Hungarian (models)	64Y2782	1
Greek (models)	64Y2783	1
Portuguese (models)	64Y2794	1
Simplified Chinese (models)	64Y2785	1
Hong Kong (models)	64Y2787	1
Traditional Chinese (models)	64Y2786	1
Korean (models)	64Y2788	1
Slovenian (models)	64Y2789	1
Russian English (models)	64Y2772	1
Hebrew (models)	64Y2792	1
Arabic Localized (models)	64Y2790	1
Slovakian (models)	64Y2796	1
Romanian (models)	64Y2793	1
Serbian-Latin (models)	64Y2795	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2797	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2798	1

7749 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2799	1

7749 Vista Business 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2684	1
French (models 91G)	64Y2686	1
German (models 91G)	64Y2687	1
Spanish (models 91G)	64Y2688	1
Brazilian Portuguese (models)	64Y2689	1
Italian (models 91G)	64Y2690	1
Japanese (models 91J)	64Y6071	1
Dutch (models 91G)	64Y2704	1
Czech (models)	64Y2691	1
Polish (models 91G)	64Y2692	1
Russian (models 91G)	64Y2693	1
Turkish (models 91G)	64Y2694	1
Hungarian (models 91G)	64Y2695	1
Greek (models 91G)	64Y2696	1
Portuguese (models)	64Y2707	1
Simplified Chinese (models)	64Y2698	1
Traditional Chinese (models)	64Y2699	1
Hong Kong (models)	64Y2700	1
Korean (models)	64Y2701	1
Slovenian (models 91G)	64Y2702	1
Russian English (models 91G)	64Y2685	1
Romanian (models 91G)	64Y2706	1
Serbian-Latin (models 91G)	64Y2708	1
Slovakian (models 91G)	64Y2709	1
Arabic Localized (models 91G)	64Y2703	1
Hebrew (models 91G)	64Y2705	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2710	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2711	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2712	1

7749 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2800	1
French (models)	64Y2801	1
German (models)	64Y2802	1
Spanish (models)	64Y2803	1
Italian (models)	64Y2805	1
Japanese (models)	64Y6074	1
Hong Kong (models)	64Y2807	1

7749 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
Korean (models)	64Y2804	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2808	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2809	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2810	1

7749 Vista Business 64 Recovery DVDs	FRU#	CRU
US English (models)	64Y2820	1
French (models)	64Y2821	1
German (models)	64Y2822	1
Japanese (models)	64Y6076	1
Simplified Chinese (models)	64Y2824	1

7749 Vista Ultimate 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2811	1
Japanese (models)	64Y6075	1
French (models)	64Y2812	1
German (models)	64Y2813	1
Spanish (models)	64Y2814	1
Italian (models)	64Y2815	1
Hong Kong - Traditional Chinese (models)	64Y2817	1
Arabic localized (models)	64Y2818	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2819	1

7749 Vista Starter 32 Recovery DVDs	FRU#	CRU
English (models)	TBD	1

Machine Type 7773

Item#	7773 FRUs	FRU#	CRU
1	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB (models 91G 91J)	40Y9035	1
1	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB (models)	40Y9036	1
1	Hard disk drive, SATA 320GB 7200rpm SATA/8MB (models)	87H4891	1
1	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB (models)	41X5582	1
1	Hard disk drive, 1TB 7200rpm SATA (models)	45C5973	1
1	Hard disk drive, 150G 10K rpm, SATA (models)	46R8893	1
2	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models)	53Y6653	N
2	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models)	53Y6654	N
2	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST, EM64T, EDB) 65W (models)	53Y9049	N
2	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST, EM64T, EDB) M0 65W (models)	53Y9051	N
2	Microprocessor, Q8300 Yorkfield 2.5GHZ, 1333MHz, 4M R-0 (ViiV, EIST, EM64T, EDB) 95W (models)	53Y6656	N
2	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W (models)	46R8640	N
2	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W (models)	45C7735	N
2	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W (models 91G 91J)	45C7736	N
2	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W (models)	45C7737	N
2	Microprocessor, E8190 2.66GHz 1333MHz FSB 6M C-0 - NON VT/Vpro 65W (models)	45R2568	N
2	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W (models)	45R8337	N
2	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W (models)	46R1622	N

Item#	7773 FRUs	FRU#	CRU
2	Microprocessor, E2180 Conroe-L 2.0GHz 800MHz FSB 1M (models)	45C1773	N
2	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M (models)	45C5349	N
2	Microprocessor, E2220 Conroe-L 2.4GHz 800MHz FSB 1M (models)	45C1774	N
2	Microprocessor, E5200 2.5G 800MHz 2M M-0 65W, 45nm (models)	46R9512	N
2	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W (models)	46R1655	N
2	Microprocessor, E1400 2.0GHz 800MHz FSB 512K - NPI M-0 65W (models)	45R8339	N
2	Microprocessor, E1200 1.6GHZ/800MHZ/512K M-0 65W (models)	45R8341	N
2	Microprocessor, Cel-430 Conroe-L 1.8GHz 800MHz FSB 512K (models)	43C1964	N
2	Microprocessor, Cel-440 Conroe-L 2.0GHz 800MHz FSB 512K (models)	43C1965	N
2	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W (models)	46R9514	N
2	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W (models)	46R8642	N
2	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W (models)	46R8644	N
2	Microprocessor, Q8200 2.33GHz 1333FSB 4M M-1 95W (models)	46R9516	N
2	Microprocessor, Q6700 2.66GHZ 1066FSB 8M G-0 Stepping Level, 95W (models)	43C6309	N
2	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W (models)	45C7739	N
2	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W (models)	45C7740	N
2	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W (models)	45C7741	N
2	Microprocessor, E5400 2.7G 800MHz-2MB 65W Non-vPro SKU (models)	64Y1075	N
3	95W heat sink kit with RM (all models)	41R6454	2
3	65W heat sink kit with RM (all models)	43N9349	2
4	Internal speaker 254 mm - optional (all models)	39K5012	2
5	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista (models)	41N3325	1
5	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista (models 91G 91J)	43C1042	1
6	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4255	1
6	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4256	1
6	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM (models)	41X4257	1
6	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM (models)	41X1079	1
6	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM (models)	41X1080	1
6	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G 91J)	41X1081	1
7	System board, Intel G41 BTX(GA) non-AMT (models 91G 91J)	46R8892	N
8	Power supply, 280W Active PFC power supply (Auto sensing) for 10L---Robust, ww, JP (models 91G 91J)	41A9701	N
8	Power supply, 280W 85+ power supply for 10L---Robust, ww, JP (models 91G 91J)	41A9742	N

The FRUs listed in the following tables are not illustrated.

7773 FRUs	FRU#	CRU
Battery 3V - Lithium (models 91G 91J)	45C1566	1
Cable - SATA 250 mm (RoHS) for 1st HDD (all models)	43N9012	2
Cable - SATA 600mm (RoHS) (all models)	45J9579	2
Cable - SATA 700 mm (RoHS) for ODD / Second HDD (all models)	43N9011	2

7773 FRUs	FRU#	CRU
C2 Intrusion Switch 260 mm (all models)	43N9080	2
Rear IO shield BTX (all models)	41R6381	N
Temp Sense Cable (165 mm) (all models)	43N9079	2
Air Deflector, recycle resin (all models)	43N9610	2
HDD Tray ASM (all models)	43N9595	1
Front cage ASM (all models)	43N9596	N
Front cage ASM (all models)	43N9647	N
Cable, Front I_O cable_R (10L_U380_A550)_ESD (all models)	45J9509	2
Models with 3.5′′ Convert 2.5′′ for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9645	2
3.5′′ Convert 2.5′′ for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9593	2
Universal Adapter Bracket 5.25 to 3.5 607CT (all models)	43N9676	2
Top cover ASM (all models)	43N9594	1
Cable, LED/Switch cable_R (10L_220 mm_PCBA) (all models)	45J9515	2
NO ODD, EMI Shielding (all models)	43N9641	1
Card reader bezel, 607CT (all models)	43N9642	1
Non-Card reader bezel, 607CT (all models)	43N9643	1
Vertical Stand (all models)	43N9644	1
Front bezel ASM (all models)	43N9677	1
Chassis (all models)	43N9649	N
Rubber foot for vertical (all models)	43N9727	1
Rubber foot for horizontal (all models)	43N9728	1
Thermal Grease (all models)	91P8835	N

7773 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--US English (models 91G)	41A5289	1
USB FULL--Arabic (models 91G)	41A5290	1
USB FULL--Arabic/French (models 91G)	41A5291	1
USB FULL--Belgium French (models 91G)	41A5292	1
USB FULL--Belgium English (models 91G)	41A5293	1
USB FULL--Brazilian Portuguese (models)	41A5294	1
USB FULL--Bulgarian (models 91G)	41A5295	1
USB FULL--Chinese/US (models)	41A5296	1
USB FULL--Czech (ABB) (models 91G)	41A5297	1
USB FULL--Danish (models 91G)	41A5298	1
USB FULL--Dutch (models 91G)	41A5299	1
USB FULL--French (models 91G)	41A5300	1
USB FULL--French Canadian (models 91G)	41A5301	1
USB FULL--French Canadian (models 91G)	41A5302	1
USB FULL--German (models 91G)	41A5303	1
USB FULL--Greek (models 91G)	41A5304	1
USB FULL--Greek/US (models 91G)	41A5305	1

7773 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--Hebrew (models 91G)	41A5306	1
USB FULL--Hungarian (models 91G)	41A5307	1
USB FULL--Iceland (models 91G)	41A5308	1
USB FULL--Italy (models 91G)	41A5309	1
USB FULL--Japanese (models 91J)	41A5310	1
USB FULL--Korean (models)	41A5311	1
USB FULL--LA Spanish (models)	41A5312	1
USB FULL--Norwegian (models 91G)	41A5313	1
USB FULL--Polish (models 91G)	41A5314	1
USB FULL--Portuguese (models 91G)	41A5315	1
USB FULL--Romanian (models 91G)	41A5317	1
USB FULL--Romanian (models 91G)	41A5316	1
USB FULL--Russian/Cyrillic (models 91G)	41A5318	1
USB FULL--Serbian/Cyrillic (models 91G)	41A5319	1
USB FULL--Slovak (models 91G)	41A5320	1
USB FULL--Spanish (models 91G)	41A5321	1
USB FULL--Swedish/Finnish (models 91G)	41A5322	1
USB FULL--Swiss French/German (models 91G)	41A5323	1
USB FULL--Thailand (models)	41A5324	1
USB FULL--Turkish (models 91G)	41A5325	1
USB FULL--Turkish (models 91G)	41A5326	1
USB FULL --UK English (models 91G)	41A5327	1
USB FULL--US Euro (models 91G)	41A5328	1
USB FULL--Slovenian (models 91G)	41A5329	1
USB FULL--Arabic (New) (models 91G)	45J4880	1
USB FULL--Lithuanian (models 91G)	45J4896	1
USB FULL--Estonia (models CTO)	51J0059	1

7773 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
US English (models)	41R0038	1
Arabic (models)	41R0039	1
Arabic/French (models)	41R0040	1
Belgium French (models)	41R0041	1
Belgium English (models)	41R0042	1
Brazilian Portuguese (models)	41R0043	1
Bulgarian (models)	41R0044	1
Chinese/US (models)	41R0045	1
Czech (ABB) (models)	41R0046	1
Danish (models)	41R0047	1
Dutch (models)	41R0048	1
French (models)	41R0049	1

7773 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
French Canadian (models)	41R0050	1
French Canadian (models)	41R0051	1
German (models)	41R0052	1
Greek (models)	41R0053	1
Greek/US (models)	41R0054	1
Hebrew (models)	41R0055	1
Hungarian (models)	41R0056	1
Iceland (models)	41R0057	1
Italian (models)	41R0058	1
Japanese (models)	41R0059	1
Korean (models)	41R0060	1
LA Spanish (models)	41R0061	1
Norwegian (models)	41R0062	1
Polish (models)	41R0063	1
Portuguese (models)	41R0064	1
Romanian (models)	41R0065	1
Romanian (models)	41R0066	1
Russian/Cyrillic (models)	41R0067	1
Serbian/Cyrillic (models)	41R0068	1
Slovak (models)	41R0069	1
Spanish (models)	41R0070	1
Swedish/Finnish (models)	41R0071	1
Swiss French/German (models)	41R0072	1
Thailand (models)	41R0073	1
Turkish (models)	41R0074	1
Turkish (models)	41R0075	1
UK English (models)	41R0076	1
US Euro (models)	41R0077	1
Slovenian (models)	41R0078	1

7773 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--US English (models)	41A5039	1
PS/2 Full--Arabic (models)	41A5040	1
PS/2 Full--Arabic/French (models)	41A5041	1
PS/2 Full--Belgium French (models)	41A5042	1
PS/2 Full--Belgium English (models)	41A5043	1
PS/2 Full--Brazilian Portuguese (models)	41A5044	1
PS/2 Full--Bulgarian (models)	41A5045	1
PS/2 Full--Chinese/US (models)	41A5046	1
PS/2 Full--Czech (ABB) (models)	41A5047	1
PS/2 Full--Danish (models)	41A5048	1

7773 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--Dutch (models)	41A5049	1
PS/2 Full--French (models)	41A5050	1
PS/2 Full--French Canadian (models)	41A5051	1
PS/2 Full--French Canadian (models)	41A5052	1
PS/2 Full--German (models)	41A5053	1
PS/2 Full--Greek (models)	41A5054	1
PS/2 Full--Greek/US (models)	41A5080	1
PS/2 Full--Hebrew (models)	41A5055	1
PS/2 Full--Hungarian (models)	41A5056	1
PS/2 Full--Iceland (models)	41A5057	1
PS/2 Full--Italian (models)	41A5058	1
PS/2 Full--Japanese (models)	41A5059	1
PS/2 Full--Korean (models)	41A5060	1
PS/2 Full--LA Spanish (models)	41A5061	1
PS/2 Full--Norwegian (models)	41A5062	1
PS/2 Full--Polish (models)	41A5063	1
PS/2 Full--Portuguese (models)	41A5064	1
PS/2 Full--Romanian (models)	41A5065	1
PS/2 Full--Russian/Cyrillic (models)	41A5066	1
PS/2 Full--Serbian/Cyrillic (models)	41A5067	1
PS/2 Full--Slovak (models)	41A5068	1
PS/2 Full--Spanish (models)	41A5069	1
PS/2 Full--Swedish/Finnish (models)	41A5070	1
PS/2 Full--Swiss French/German (models)	41A5071	1
PS/2 Full--Thailand (models)	41A5072	1
PS/2 Full--Turkish (models)	41A5073	1
PS/2 Full--Turkish (models)	41A5074	1
PS/2 Full--UK English (models)	41A5075	1
PS/2 Full--US Euro (models)	41A5076	1
PS/2 Full--Slovenian (models)	41A5077	1

7773 Mice	FRU#	CRU
Optical Wheel Mouse OPT (400DPI, USB) (models 91G 91J)	41U3013	1
Optical Wheel Mouse OPT (400DPI, USB) (models 91G 91J)	41U3030	1
PS/2 Three button ball mouse scrollpoint (41R0017) (models)	41R0018	1

7773 Adapters and miscellaneous FRUs	FRU#	CRU
Internal 25 in 1 USB Memory Card Reader Slim (models)	46R1529	1
IEEE 1394 Firewire Adapter (models)	41D2781	1
Soft Modem V.90/V.44 (models)	46R4220	1
Speaker power brick - US, Canada, LA low voltage, ASEAN (models)	89P8571	1

7773 Adapters and miscellaneous FRUs	FRU#	CRU
Speaker power brick - LA high voltage (non-APU) (models)	89P8575	1
Speaker power brick - Simplified Chinese, Thailand EMEA (models 91G)	89P8581	1
Speaker power brick - Japanese (models 91J)	89P8577	1
Speaker power brick - Brazil (models)	89P8583	1
Speaker power brick - Argentina (models)	41A4901	1
Speaker power brick - ANZ (models)	89P8579	1
Speaker power brick - Korea (models)	41A4903	1
Speaker power brick - Hong Kong, EMEA, Ireland (models 91G)	89P8573	1
Speaker power brick -Taiwan-Traditional Chinese (models)	41A4905	1
Speaker power brick - India, South Africa (models)	89P8585	1
2-pc external speaker--primary (models)	41A5331	1
2-pc external speaker-secondary (models)	41A5334	1
DVI-I(M)-VGA(F) cord (models)	41R3342	1
ATI HD3470 GDDR3 256MB - VGA+DP (models)	46R1521	1
ADD2 DVI-D Adapter, (HDCP) DVD-D connection Adapter Low Profile (Silicon Image) (models)	43C0258	1
DisplayPort to DVI-D Dongle (models)	43N9160	1
DisplayPort to VGA Dongle (models)	45J9524	1
Modem phone cable (models)	39K5120	1
LI140mm Rear Com2 cable II mini® (models)	43N9062	2
Rear USB 2 Ports II LP® 350 mm (models)	43N9124	2
NVIDIA G100 DDR2 256MB LP - DVI-I (With DVI-I to VGA Dongle) (models)	53Y9341	1

7773 Power Cords (Primary)	FRU #	CRU
Power cord - US (models)	41R3184	1
Power cord - China (models)	41R3256	1
Power Cord - Japanese and Japanese English (models 91J)	41R3248	1
Power cord - Brazil (models)	41R3270	1
Power cord - LA High Volt (APU) (models)	41R3176	1
Power cord - Australia / New Zealand (models)	41R3196	1
Power cord - Korea (models)	41R3260	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models)	41R3224	1
Power cord - Taiwan (models)	41R3278	1
Power cord - Italy (models)	41R3232	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models)	41R3208	1
Power cord - Denmark (models 91G)	41R3212	1
Power cord - Switzerland (models 91G)	41R3228	1
Power cord - Israel (models 91G)	41R3236	1
Power cord - South Africa (models 91G)	41R3220	1
Power cord - India (models)	41R3341	1

7773 Power Cords (Primary)	FRU #	CRU
Power cord - Thailand (models)	43N9029	1

7773 Power Cords (Secondary)	FRU#	CRU
Power cord - US (models)	41R3185	1
Power cord - China (models)	41R3257	1
Power Cord - Japanese and Japanese English (models 91J)	41R3249	1
Power cord - Brazil (models)	41R3271	1
Power cord - LA High Volt (APU) (models)	41R3177	1
Power cord - Australia / New Zealand (models)	41R3197	1
Power cord - Korea (models)	41R3261	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models)	41R3225	1
Power cord - Taiwan (models)	41R3279	1
Power cord - Italy (models)	41R3233	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models)	41R3209	1
Power cord - Denmark (models 91G)	41R3213	1
Power cord - Switzerland (models 91G)	41R3229	1
Power cord - Israel (models 91G)	41R3237	1
Power cord - South Africa (models 91G)	41R3221	1
Power cord - India (models)	41R3175	1
Power cord - Thailand (models)	43N9030	1
Power cord - Y cable for Brazil (models)	43N9044	1

7773 Windows XP Home Recovery CDs	FRU#	CRU
US English/UK/Asia Pacific (models)	TBD	1
French/French Canadian (models)	TBD	1
Greek (models)	TBD	1
Italy (models)	TBD	1
Brazilian (models)	TBD	1
Spanish/LA (models)	TBD	1
Danish (models)	TBD	1
Dutch (models)	TBD	1
Arabic (models)	TBD	1
Swedish (models)	TBD	1
Hebrew (models)	TBD	1
Finnish (models)	TBD	1
Norwegian (models)	TBD	1
Polish (models)	TBD	1
Portuguese (models)	TBD	1
Russian (models)	TBD	1

7773 Windows XP Home Recovery CDs	FRU#	CRU
Russian English (models)	TBD	1
Hungarian (models)	TBD	1
Czech (models)	TBD	1
Turkish native (models)	TBD	1
Greek (models)	TBD	1
Japanese (models)	TBD	1
Simplified Chinese (models)	TBD	1
Taiwan-TC (models)	TBD	1
Hong Kong-TC (models)	TBD	1
Korean (models)	TBD	1

7773 Windows XP Pro Recovery CDs	FRU#	CRU
US English (models)	64Y5685	1
French (models)	64Y5686	1
German (models)	64Y5687	1
Italian (models)	64Y5690	1
Brazilian Portuguese (models)	64Y5689	1
Spanish (models)	64Y5688	1
Danish (models)	64Y5694	1
Dutch (models)	64Y5695	1
Arabic (models)	64Y5699	1
Swedish (models)	64Y5693	1
Hebrew (models)	63Y8286	1
Finnish (models)	64Y5697	1
Norwegian (models)	64Y5692	1
Polish (models)	64Y5698	1
Portuguese (models)	63Y8294	1
Russian (models)	64Y5700	1
Russian English (models)	63Y8290	1
Hungarian (models)	63Y8292	1
Czech (models)	64Y5696	1
Turkish (models)	64Y5701	1
Greek (models)	64Y5702	1
Slovenian (models)	63Y8295	1
Japanese (models)	64Y6068	1
Simplified Chinese (models)	64Y5703	1
Taiwan-TC (models)	64Y5704	1
Hong Kong-TC (models)	64Y5705	1
Korean (models)	63Y8299	1
MUI Nordics (EN-DK-FI-NO-SV) (models)	64Y4801	1
MUI Switz (EN-FR-GR-IT) (models)	64Y4802	1

7773 Windows XP Pro Recovery CDs	FRU#	CRU
MUI Bel-Lux (EN-FR-GR-NL) (models)	64Y4803	1

7773 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2771	1
French (models)	64Y2773	1
German (models)	64Y2774	1
Spanish (models)	64Y2775	1
Brazilian (models)	64Y2776	1
Italian (models)	64Y2777	1
Japanese (models)	64Y6073	1
Dutch (models)	64Y2791	1
Czech (models)	64Y2778	1
Polish (models)	64Y2779	1
Russian (models)	64Y2780	1
Turkish (models)	64Y2781	1
Hungarian (models)	64Y2782	1
Greek (models)	64Y2783	1
Portuguese (models)	64Y2794	1
Simplified Chinese (models)	64Y2785	1
Hong Kong (models)	64Y2787	1
Traditional Chinese (models)	64Y2786	1
Korean (models)	64Y2788	1
Slovenian (models)	64Y2789	1
Russian English (models)	64Y2772	1
Hebrew (models)	64Y2792	1
Arabic Localized (models)	64Y2790	1
Slovakian (models)	64Y2796	1
Romanian (models)	64Y2793	1
Serbian-Latin (models)	64Y2795	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2797	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2798	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2799	1

7773 Vista Business 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2684	1
French (models 91G)	64Y2686	1
German (models 91G)	64Y2687	1
Spanish (models 91G)	64Y2688	1
Brazilian Portuguese (models)	64Y2689	1
Italian (models 91G)	64Y2690	1
Japanese (models 91J)	64Y6071	1

7773 Vista Business 32 Recovery DVDs	FRU#	CRU
Dutch (models 91G)	64Y2704	1
Czech (models)	64Y2691	1
Polish (models 91G)	64Y2692	1
Russian (models 91G)	64Y2693	1
Turkish (models 91G)	64Y2694	1
Hungarian (models 91G)	64Y2695	1
Greek (models 91G)	64Y2696	1
Portuguese (models)	64Y2707	1
Simplified Chinese (models)	64Y2698	1
Traditional Chinese (models)	64Y2699	1
Hong Kong (models)	64Y2700	1
Korean (models)	64Y2701	1
Slovenian (models 91G)	64Y2702	1
Russian English (models 91G)	64Y2685	1
Romanian (models 91G)	64Y2706	1
Serbian-Latin (models 91G)	64Y2708	1
Slovakian (models 91G)	64Y2709	1
Arabic Localized (models 91G)	64Y2703	1
Hebrew (models 91G)	64Y2705	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2710	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2711	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2712	1

| 7773 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2800	1
French (models)	64Y2801	1
German (models)	64Y2802	1
Spanish (models)	64Y2803	1
Italian (models)	64Y2805	1
Japanese (models)	64Y6074	1
Hong Kong (models)	64Y2807	1
Korean (models)	64Y2804	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2808	1
C&L 2 Switzerland (EN FR GR IT) (models)	64Y2809	1
C&L 3 Bel Lux (EN FR GR NL) (models)	64Y2810	1

7773 Vista Business 64 Recovery DVDs	FRU#	CRU
US English (models)	64Y2820	1
French (models)	64Y2821	1
German (models)	64Y2822	1
Japanese (models)	64Y6076	1

7773 Vista Business 64 Recovery DVDs	FRU#	CRU
Simplified Chinese (models)	64Y2824	1

7773 Vista Ultimate 32 Recovery DVDs	FRU#	CRU
US English (models)	64Y2811	1
Japanese (models)	64Y6075	1
French (models)	64Y2812	1
German (models)	64Y2813	1
Spanish (models)	64Y2814	1
Italian (models)	64Y2815	1
Hong Kong - Traditional Chinese (models)	64Y2817	1
Arabic localized (models)	64Y2818	1
C&L 1 Nordics (EN DK FI NO SV) (models)	64Y2819	1

7773 Vista Starter 32 Recovery DVDs	FRU#	CRU
English (models)	TBD	1

Machine Type 7774

Item#	7774 FRUs	FRU#	CRU
1	Intel 95W/65W Heatsink (all models)	43N9409	2
1	Intel 65W heat sink (all models)	43N9708	2
2	System board, Intel G41 MATX(GA) non-AMT (models 91G)	46R8891	N
3	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91G)	53Y6653	N
3	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91G)	53Y6654	N
3	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST, EM64T, EDB) 65W (models 91G)	53Y9049	N
3	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST, EM64T, EDB) M0 65W (models 91G)	53Y9051	N
3	Microprocessor, Q8300 Yorkfield 2.5GHZ, 1333MHz, 4M R-0 (ViiV, EIST, EM64T, EDB) 95W (models 91G)	53Y6656	N
3	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W (models 91G)	46R8640	N
3	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W (models 91G)	45C7735	N
3	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W (models 91G)	45C7736	N
3	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W (models 91G)	45C7737	N
3	Microprocessor, E8190 2.66GHz 1333MHz FSB 6M C-0 - NON VT/Vpro 65W (models 91G)	45R2568	N
3	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W (models 91G)	45R8337	N

Item#	7774 FRUs	FRU#	CRU
3	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W (models 91G)	46R1622	N
3	Microprocessor, E2180 Conroe-L 2.0GHz 800MHz FSB 1M (models 91G)	45C1773	N
3	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M (models 91G)	45C5349	N
3	Microprocessor, E2220 Conroe-L 2.4GHz 800MHz FSB 1M (models 91G)	45C1774	N
3	Microprocessor, E5200 2.5G 800MHz 2M M-0 65W, 45nm (models 91G)	46R9512	N
3	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W (models 91G)	46R1655	N
3	Microprocessor, E1400 2.0GHz 800MHz FSB 512K - NPI M-0 65W (models 91G)	45R8339	N
3	Microprocessor, E1200 1.6GHZ/800MHZ/512K M-0 65W (models 91G)	45R8341	N
3	Microprocessor, Cel-430 Conroe-L 1.8GHz 800MHz FSB 512K (models 91G)	43C1964	N
3	Microprocessor, Cel-440 Conroe-L 2.0GHz 800MHz FSB 512K (models 91G)	43C1965	N
3	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W (models 91G)	46R9514	N
3	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W (models 91G)	46R8642	N
3	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W (models 91G)	46R8644	N
3	Microprocessor, Q8200 2.33GHz 1333FSB 4M M-1 95W (models 91G)	46R9516	N
3	Microprocessor, Q6700 2.66GHZ 1066FSB 8M G-0 Stepping Level, 95W (models 91G)	43C6309	N
3	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W (models 91G)	45C7739	N
3	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W (models 91G)	45C7740	N
3	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W (models 91G)	45C7741	N
3	Microprocessor, E5400 2.7G 800MHz 2MB 65W Non-vPro SKU (models 91G)	64Y1075	N
4	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM (models 91G)	41X4255	1
4	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM (models 91G)	41X4256	1
4	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM (models 91G)	41X4257	1
4	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM (models 91G)	41X1079	1
4	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G)	41X1080	1
4	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G)	41X1081	1
6	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista (models 91G)	41N3325	1
6	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista (models 91G)	43C1042	1
6	Optical drive, Blu-ray Recorder / DVD Super Multi (models 91G)	53Y7643	1
7	Diskette drive, 3.5″ 1.44MB 2 Mode FDD with Bezel and cable (models 91G)	40Y9107	1
7	Diskette drive, 3.5″ 1.44MB 2 Mode FDD with Bezel and cable (models 91G)	40Y9105	1
8	Front bezel assembly (all models)	43N9662	1
8	Front bezel with ODD door assembly (all models)	43N9694	2
9	Internal speaker 400mm -- Optional (all models)	43N9091	2
11	Battery 3V - Lithium (models 91G)	45C1566	1
12	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB (models 91G)	40Y9035	1
12	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB (models 91G)	40Y9036	1
12	Hard disk drive, SATA 320GB 7200rpm SATA/8MB (models 91G)	87H4891	1
12	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB (models 91G)	41X5582	1
12	Hard disk drive, 1TB 7200rpm SATA (models 91G)	45C5973	1

Item#	7774 FRUs	FRU#	CRU
12	Hard disk drive, 150G 10K rpm, SATA (models 91G)	46R8893	1
14	Intrusion Switch Asm 475mm --Optional (all models)	39K5022	2
14	Intrusion Switch Asm (all models)	41R6116	2
15	System fan, rear (all models)	41R6269	2
16	Power supply, ATX 450W 80% power supply, Robust, WW, JP (models 91G)	41A9721	2
16	Power supply, ATX 280W power supply, Robust, WW (models 91G)	41A9684	2
16	Power supply, ATX 280W 80% power supply, Robust, WW, JP (models 91G)	41A9665	2

The FRUs listed in the following tables are not illustrated.

7774 FRUs	FRU#	CRU
System fan, front fan used for 2X500G (all models)	43N9599	2
Shield, 5.25 EMC FOR 1st ODD Bay (all models)	41N8080	1
Cable - SATA 457 mm (RoHS) for ODD (all models)	43N9013	2
Cable - SATA, Second HDD, 120 mm, 1 latching for Device, RoHS (all models)	41R3328	2
Cable - SATA 250 mm (RoHS) for 1st HDD (all models)	43N9012	2
Second HDD Bracket Asm (all models)	41R6106	1
FDD EMC Shield (all models)	41N8078	1
Temp Sense Cable (6pin 460 mm) (all models)	45J9495	2
FDD Cable (all models)	41A7182	2
FDD Cable, 310 mm (all models)	41A7147	2
I/O Shield - Ace (all models)	41N8053	2
HDD Tray (all models)	41R6291	1
ODD/FDD/Cardreader Retainers (all models)	43N9351	1
Cable Clip, FW-6D (all models)	43N9462	2
Power switch cable, 760 mm (all models)	45J9512	2
Front I_O cable_R (all models)	45J9506	2
ODD door assembly (all models)	43N9663	1
No FDD cover assembly (all models)	43N9664	1
FDD/Cardreader cover (all models)	43N9665	1
USB cover (all models)	43N9666	1
Top handle assembly (all models)	43N9667	1
3.5'' Convert 2.5'' for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9593	2
Thermal Grease (all models)	91P8835	N

7774 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--US English (models 91G)	41A5289	1
USB FULL--Arabic (models 91G)	41A5290	1
USB FULL--Arabic/French (models 91G)	41A5291	1
USB FULL--Belgium French (models 91G)	41A5292	1
USB FULL--Belgium English (models 91G)	41A5293	1

7774 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--Brazilian Portuguese (models 91G)	41A5294	1
USB FULL--Bulgarian (models 91G)	41A5295	1
USB FULL--Chinese/US (models 91G)	41A5296	1
USB FULL--Czech (ABB) (models 91G)	41A5297	1
USB FULL--Danish (models 91G)	41A5298	1
USB FULL--Dutch (models 91G)	41A5299	1
USB FULL--French (models 91G)	41A5300	1
USB FULL--French Canadian (models 91G)	41A5301	1
USB FULL--French Canadian (models 91G)	41A5302	1
USB FULL--German (models 91G)	41A5303	1
USB FULL--Greek (models 91G)	41A5304	1
USB FULL--Greek/US (models 91G)	41A5305	1
USB FULL--Hebrew (models 91G)	41A5306	1
USB FULL--Hungarian (models 91G)	41A5307	1
USB FULL--Iceland (models 91G)	41A5308	1
USB FULL--Italy (models 91G)	41A5309	1
USB FULL--Japanese (models 91G)	41A5310	1
USB FULL--Korean (models 91G)	41A5311	1
USB FULL--LA Spanish (models 91G)	41A5312	1
USB FULL--Norwegian (models 91G)	41A5313	1
USB FULL--Polish (models 91G)	41A5314	1
USB FULL--Portuguese (models 91G)	41A5315	1
USB FULL--Romanian (models 91G)	41A5317	1
USB FULL--Romanian (models 91G)	41A5316	1
USB FULL--Russian/Cyrillic (models 91G)	41A5318	1
USB FULL--Serbian/Cyrillic (models 91G)	41A5319	1
USB FULL--Slovak (models 91G)	41A5320	1
USB FULL--Spanish (models 91G)	41A5321	1
USB FULL--Swedish/Finnish (models 91G)	41A5322	1
USB FULL--Swiss French/German (models 91G)	41A5323	1
USB FULL--Thailand (models 91G)	41A5324	1
USB FULL--Turkish (models 91G)	41A5325	1
USB FULL--Turkish (models 91G)	41A5326	1
USB FULL --UK English (models 91G)	41A5327	1
USB FULL--US Euro (models 91G)	41A5328	1
USB FULL--Slovenian (models 91G)	41A5329	1
USB FULL--Lithuanian (models 91G)	45J4896	1
USB FULL--Estonia (models 91G)	51J0059	1

7774 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
US English (models 91G)	41R0038	1

7774 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
Arabic (models 91G)	41R0039	1
Arabic/French (models 91G)	41R0040	1
Belgium French (models 91G)	41R0041	1
Belgium English (models 91G)	41R0042	1
Brazilian Portuguese (models 91G)	41R0043	1
Bulgarian (models 91G)	41R0044	1
Chinese/US (models 91G)	41R0045	1
Czech (ABB) (models 91G)	41R0046	1
Danish (models 91G)	41R0047	1
Dutch (models 91G)	41R0048	1
French (models 91G)	41R0049	1
French Canadian (models 91G)	41R0050	1
French Canadian (models 91G)	41R0051	1
German (models 91G)	41R0052	1
Greek (models 91G)	41R0053	1
Greek/US (models 91G)	41R0054	1
Hebrew (models 91G)	41R0055	1
Hungarian (models 91G)	41R0056	1
Iceland (models 91G)	41R0057	1
Italian (models 91G)	41R0058	1
Japanese (models 91G)	41R0059	1
Korean (models 91G)	41R0060	1
LA Spanish (models 91G)	41R0061	1
Norwegian (models 91G)	41R0062	1
Polish (models 91G)	41R0063	1
Portuguese (models 91G)	41R0064	1
Romanian (models 91G)	41R0065	1
Romanian (models 91G)	41R0066	1
Russian/Cyrillic (models 91G)	41R0067	1
Serbian/Cyrillic (models 91G)	41R0068	1
Slovak (models 91G)	41R0069	1
Spanish (models 91G)	41R0070	1
Swedish/Finnish (models 91G)	41R0071	1
Swiss French/German (models 91G)	41R0072	1
Thailand (models 91G)	41R0073	1
Turkish (models 91G)	41R0074	1
Turkish (models 91G)	41R0075	1
UK English (models 91G)	41R0076	1
US Euro (models 91G)	41R0077	1
Slovenian (models 91G)	41R0078	1

7774 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--US English (models 91G)	41A5039	1
PS/2 Full--Arabic (models 91G)	41A5040	1
PS/2 Full--Arabic (New) (models 91G)	45J4880	1
PS/2 Full--Arabic/French (models 91G)	41A5041	1
PS/2 Full--Belgium French (models 91G)	41A5042	1
PS/2 Full--Belgium English (models 91G)	41A5043	1
PS/2 Full--Brazilian Portuguese (models 91G)	41A5044	1
PS/2 Full--Bulgarian (models 91G)	41A5045	1
PS/2 Full--Chinese/US (models 91G)	41A5046	1
PS/2 Full--Czech (ABB) (models 91G)	41A5047	1
PS/2 Full--Danish (models 91G)	41A5048	1
PS/2 Full--Dutch (models 91G)	41A5049	1
PS/2 Full--French (models 91G)	41A5050	1
PS/2 Full--French Canadian (models 91G)	41A5051	1
PS/2 Full--French Canadian (models 91G)	41A5052	1
PS/2 Full--German (models 91G)	41A5053	1
PS/2 Full--Greek (models 91G)	41A5054	1
PS/2 Full--Greek/US (models 91G)	41A5080	1
PS/2 Full--Hebrew (models 91G)	41A5055	1
PS/2 Full--Hungarian (models 91G)	41A5056	1
PS/2 Full--Iceland (models 91G)	41A5057	1
PS/2 Full--Italian (models 91G)	41A5058	1
PS/2 Full--Japanese (models 91G)	41A5059	1
PS/2 Full--Korean (models 91G)	41A5060	1
PS/2 Full--LA Spanish (models 91G)	41A5061	1
PS/2 Full--Norwegian (models 91G)	41A5062	1
PS/2 Full--Polish (models 91G)	41A5063	1
PS/2 Full--Portuguese (models 91G)	41A5064	1
PS/2 Full--Romanian (models 91G)	41A5065	1
PS/2 Full--Russian/Cyrillic (models 91G)	41A5066	1
PS/2 Full--Serbian/Cyrillic (models 91G)	41A5067	1
PS/2 Full--Slovak (models 91G)	41A5068	1
PS/2 Full--Spanish (models 91G)	41A5069	1
PS/2 Full--Swedish/Finnish (models 91G)	41A5070	1
PS/2 Full--Swiss French/German (models 91G)	41A5071	1
PS/2 Full--Thailand (models 91G)	41A5072	1
PS/2 Full--Turkish (models 91G)	41A5073	1
PS/2 Full--Turkish (models 91G)	41A5074	1
PS/2 Full--UK English (models 91G)	41A5075	1
PS/2 Full--US Euro (models 91G)	41A5076	1
PS/2 Full--Slovenian (models 91G)	41A5077	1

7774 Mice	FRU#	CRU
Optical Wheel Mouse OPT (400DPI, USB) (models 91G)	41U3013	1
Optical Wheel Mouse OPT (400DPI, USB) (models 91G)	41U3030	1
PS/2 Three button ball mouse scrollpoint (41R0017) (models 91G)	41R0018	1

7774 Adapters and miscellaneous FRUs	FRU#	CRU
Internal 25 in 1 USB Memory Card Reader (models 91G)	45R8139	1
IEEE 1394 Firewire Adapter ATX (models 91G)	41D2781	1
Speaker power brick - US, Canada, LA low voltage, ASEAN (models 91G)	89P8571	1
Speaker power brick - LA high voltage (non-APU) (models 91G)	89P8575	1
Speaker power brick - Simplified Chinese, Thailand EMEA (models 91G)	89P8581	1
Speaker power brick - Japanese (models 91G)	89P8577	1
Speaker power brick - Brazil (models 91G)	89P8583	1
Speaker power brick - Argentina (models 91G)	41A4901	1
Speaker power brick - ANZ (models 91G)	89P8579	1
Speaker power brick - Korea (models 91G)	41A4903	1
Speaker power brick - Hong Kong, EMEA, Ireland (models 91G)	89P8573	1
Speaker power brick -Taiwan-Traditional Chinese (models 91G)	41A4905	1
Speaker power brick - India, South Africa (models 91G)	89P8585	1
2-pc external speaker--primary (models 91G)	41A5331	1
2-pc external speaker-secondary (models 91G)	41A5334	1
DVI-I(M)-VGA(F) cord (models 91G)	41R3342	1
Geforce 9500GT GDDR3 512MB - DVI+HDMI+DP (models 91G)	46R1524	1
ATI HD3470 GDDR3 256MB - VGA+DP (models 91G)	46R1521	1
ADD2 DVI-D Adapter, (HDCP) DVD-D connection Adapter Low Profile (Silicon Image) (models 91G)	43C0258	1
DisplayPort to DVI-D Dongle (models 91G)	43N9160	1
DisplayPort to VGA Dongle (models 91G)	45J9524	1
Modem phone cable (models 91G)	39K5120	1
LI300mm Rear USB 2Ports II HP® (models 91G)	42Y8005	2
LI350mm Rear Com2 cable II mini® (models 91G)	41R8548	2
NVIDIA G100 DDR2 256MB ATX - DVI-I+VGA (models 91G)	53Y9249	1
Soft Modem V.90/V.44 ATX (models 91G)	46R4220	1

7774 Power Cords (Primary)	FRU #	CRU
Power cord - US (models 91G)	41R3184	1
Power cord - China (models 91G)	41R3256	1
Power Cord - Japanese and Japanese English (models 91G)	41R3248	1
Power cord - Brazil (models 91G)	41R3270	1
Power cord - LA High Volt (APU) (models 91G)	41R3176	1
Power cord - Australia / New Zealand (models 91G)	41R3196	1

7774 Power Cords (Primary)	FRU #	CRU
Power cord - Korea (models 91G)	41R3260	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91G)	41R3224	1
Power cord - Taiwan (models 91G)	41R3278	1
Power cord - Italy (models 91G)	41R3232	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91G)	41R3208	1
Power cord - Denmark (models 91G)	41R3212	1
Power cord - Switzerland (models 91G)	41R3228	1
Power cord - Israel (models 91G)	41R3236	1
Power cord - South Africa (models 91G)	41R3220	1
Power cord - India (models 91G)	41R3341	1
Power cord - Thailand (models 91G)	43N9029	1

7774 Power Cords (Secondary)	FRU#	CRU
Power cord - US (models 91G)	41R3185	1
Power cord - China (models 91G)	41R3257	1
Power Cord - Japanese and Japanese English (models 91G)	41R3249	1
Power cord - Brazil (models 91G)	41R3271	1
Power cord - LA High Volt (APU) (models 91G)	41R3177	1
Power cord - Australia / New Zealand (models 91G)	41R3197	1
Power cord - Korea (models 91G)	41R3261	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91G)	41R3225	1
Power cord - Taiwan (models 91G)	41R3279	1
Power cord - Italy (models 91G)	41R3233	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91G)	41R3209	1
Power cord - Denmark (models 91G)	41R3213	1
Power cord - Switzerland (models 91G)	41R3229	1
Power cord - Israel (models 91G)	41R3237	1
Power cord - South Africa (models 91G)	41R3221	1
Power cord - India (models 91G)	41R3175	1
Power cord - Thailand (models 91G)	43N9030	1
Power cord - Y cable for Brazil (models 91G)	43N9044	1

7774 Windows XP Home Recovery CDs	FRU#	CRU
US English/UK/Asia Pacific (models 91G)	TBD	1
French/French Canadian (models 91G)	TBD	1
Greek (models 91G)	TBD	1
Italy (models 91G)	TBD	1
Brazilian (models 91G)	TBD	1

7774 Windows XP Home Recovery CDs	FRU#	CRU
Spanish/LA (models 91G)	TBD	1
Danish (models 91G)	TBD	1
Dutch (models 91G)	TBD	1
Arabic (models 91G)	TBD	1
Swedish (models 91G)	TBD	1
Hebrew (models 91G)	TBD	1
Finnish (models 91G)	TBD	1
Norwegian (models 91G)	TBD	1
Polish (models 91G)	TBD	1
Portuguese (models 91G)	TBD	1
Russian (models 91G)	TBD	1
Russian English (models 91G)	TBD	1
Hungarian (models 91G)	TBD	1
Czech (models 91G)	TBD	1
Turkish native (models 91G)	TBD	1
Greek (models 91G)	TBD	1
Japanese (models 91G)	TBD	1
Simplified Chinese (models 91G)	TBD	1
Taiwan-TC (models 91G)	TBD	1
Hong Kong-TC (models 91G)	TBD	1
Korean (models 91G)	TBD	1

7774 Windows XP Pro Recovery CDs	FRU#	CRU
US English (models 91G)	64Y5685	1
French (models 91G)	64Y5686	1
German (models 91G)	64Y5687	1
Italian (models 91G)	64Y5690	1
Brazilian Portuguese (models 91G)	64Y5689	1
Spanish (models 91G)	64Y5688	1
Danish (models 91G)	64Y5694	1
Dutch (models 91G)	64Y5695	1
Arabic (models 91G)	64Y5699	1
Swedish (models 91G)	64Y5693	1
Hebrew (models 91G)	63Y8286	1
Finnish (models 91G)	64Y5697	1
Norwegian (models 91G)	64Y5692	1
Polish (models 91G)	64Y5698	1
Portuguese (models 91G)	63Y8294	1
Russian (models 91G)	64Y5700	1
Russian English (models 91G)	63Y8290	1
Hungarian (models 91G)	63Y8292	1

7774 Windows XP Pro Recovery CDs	FRU#	CRU
Czech (models 91G)	64Y5696	1
Turkish (models 91G)	64Y5701	1
Greek (models 91G)	64Y5702	1
Slovenian (models 91G)	63Y8295	1
Japanese (models 91G)	64Y6068	1
Simplified Chinese (models 91G)	64Y5703	1
Taiwan-TC (models 91G)	64Y5704	1
Hong Kong-TC (models 91G)	64Y5705	1
Korea (models 91G)	63Y8299	1
MUI Nordics (EN-DK-FI-NO-SV) (models 91G)	64Y4801	1
MUI Switz (US EN-FR -GR-IT) (models 91G)	64Y4802	1
MUI Bel-Lux (EN-FR-GR-NL) (models 91G)	64Y4803	1

7774 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2771	1
French (models 91G)	64Y2773	1
German (models 91G)	64Y2774	1
Spanish (models 91G)	64Y2775	1
Brazilian (models 91G)	64Y2776	1
Italian (models 91G)	64Y2777	1
Japanese (models 91G)	64Y6073	1
Dutch (models 91G)	64Y2791	1
Czech (models 91G)	64Y2778	1
Polish (models 91G)	64Y2779	1
Russian (models 91G)	64Y2780	1
Turkish (models 91G)	64Y2781	1
Hungarian (models 91G)	64Y2782	1
Greek (models 91G)	64Y2783	1
Portuguese (models 91G)	64Y2794	1
Simplified Chinese (models 91G)	64Y2785	1
Hong Kong (models 91G)	64Y2787	1
Traditional Chinese (models 91G)	64Y2786	1
Korean (models 91G)	64Y2788	1
Slovenian (models 91G)	64Y2789	1
Russian English (models 91G)	64Y2772	1
Hebrew (models 91G)	64Y2792	1
Arabic Localized (models 91G)	64Y2790	1
Slovakian (models 91G)	64Y2796	1
Romanian (models 91G)	64Y2793	1
Serbian-Latin (models 91G)	64Y2795	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2797	1

7774 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
C&L 2 Switzerland (EN FR GR IT) (models 91G)	64Y2798	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G)	64Y2799	1

7774 Vista Business 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2684	1
French (models 91G)	64Y2686	1
German (models 91G)	64Y2687	1
Spanish (models 91G)	64Y2688	1
Brazilian Portuguese (models 91G)	64Y2689	1
Italian (models 91G)	64Y2690	1
Japanese (models 91G)	64Y6071	1
Dutch (models 91G)	64Y2704	1
Czech (models 91G)	64Y2691	1
Polish (models 91G)	64Y2692	1
Russian (models 91G)	64Y2693	1
Turkish (models 91G)	64Y2694	1
Hungarian (models 91G)	64Y2695	1
Greek (models 91G)	64Y2696	1
Portuguese (models 91G)	64Y2707	1
Simplified Chinese (models 91G)	64Y2698	1
Traditional Chinese (models 91G)	64Y2699	1
Hong Kong (models 91G)	64Y2700	1
Korean (models 91G)	64Y2701	1
Slovenian (models 91G)	64Y2702	1
Russian English (models 91G)	64Y2685	1
Romanian (models 91G)	64Y2706	1
Serbian-Latin (models 91G)	64Y2708	1
Slovakian (models 91G)	64Y2709	1
Arabic Localized (models 91G)	64Y2703	1
Hebrew (models 91G)	64Y2705	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2710	1
C&L 2 Switzerland (EN FR GR IT) (models 91G)	64Y2711	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G)	64Y2712	1

7774 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2800	1
French (models 91G)	64Y2801	1
German (models 91G)	64Y2802	1
Spanish (models 91G)	64Y2803	1
Italian (models 91G)	64Y2805	1
Japanese (models 91G)	64Y6074	1

7774 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
Hong Kong (models 91G)	64Y2807	1
Korean (models 91G)	64Y2804	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2808	1
C&L 2 Switzerland (EN FR GR IT) (models 91G)	64Y2809	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G)	64Y2810	1

7774 Vista Business 64 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2820	1
French (models 91G)	64Y2821	1
German (models 91G)	64Y2822	1
Japanese (models 91G)	64Y6076	1
Simplified Chinese (models 91G)	64Y2824	1

7774 Vista Ultimate 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2811	1
Japanese (models 91G)	64Y6075	1
French (models 91G)	64Y2812	1
German (models 91G)	64Y2813	1
Spanish (models 91G)	64Y2814	1
Italian (models 91G)	64Y2815	1
Hong Kong - Traditional Chinese (models 91G)	64Y2817	1
Arabic localized (models 91G)	64Y2818	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2819	1

7774 Vista Starter 32 Recovery DVDs	FRU#	CRU
English (models 91G)	TBD	1

Machine Type 7799

Item#	7799 FRUs	FRU#	CRU
1	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB (models 91G)	40Y9035	1
1	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB (models 91G)	40Y9036	1
1	Hard disk drive, SATA 320GB 7200rpm SATA/8MB (models 91G)	87H4891	1
1	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB (models 91G)	41X5582	1
1	Hard disk drive, 1TB 7200rpm SATA (models 91G)	45C5973	1
1	Hard disk drive, 150G 10K rpm, SATA (models 91G)	46R8893	1
2	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91G)	53Y6653	N
2	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV, EIST, EM64T, EDB) 65W (models 91G)	53Y6654	N
2	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST, EM64T, EDB) 65W (models 91G)	53Y9049	N
2	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST, EM64T, EDB) M0 65W (models 91G)	53Y9051	N
2	Microprocessor, Q8300 Yorkfield 2.5GHZ, 1333MHz, 4M R-0 (ViiV, EIST, EM64T, EDB) 95W (models 91G)	53Y6656	N
2	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W (models 91G)	46R8640	N
2	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W (models 91G)	45C7735	N
2	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W (models 91G)	45C7736	N
2	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W (models 91G)	45C7737	N
2	Microprocessor, E8190 2.66GHz 1333MHz FSB 6M C-0 - NON VT/Vpro 65W (models 91G)	45R2568	N
2	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W (models 91G)	45R8337	N

Item#	7799 FRUs	FRU#	CRU
2	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W (models 91G)	46R1622	N
2	Microprocessor, E2180 Conroe-L 2.0GHz 800MHz FSB 1M (models 91G)	45C1773	N
2	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M (models 91G)	45C5349	N
2	Microprocessor, E2220 Conroe-L 2.4GHz 800MHz FSB 1M (models 91G)	45C1774	N
2	Microprocessor, E5200 2.5G 800MHz 2M M-0 65W, 45nm (models 91G)	46R9512	N
2	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W (models 91G)	46R1655	N
2	Microprocessor, E1400 2.0GHz 800MHz FSB 512K - NPI M-0 65W (models 91G)	45R8339	N
2	Microprocessor, E1200 1.6GHZ/800MHZ/512K M-0 65W (models 91G)	45R8341	N
2	Microprocessor, Cel-430 Conroe-L 1.8GHz 800MHz FSB 512K (models 91G)	43C1964	N
2	Microprocessor, Cel-440 Conroe-L 2.0GHz 800MHz FSB 512K (models 91G)	43C1965	N
2	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W (models 91G)	46R9514	N
2	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W (models 91G)	46R8642	N
2	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W (models 91G)	46R8644	N
2	Microprocessor, Q8200 2.33GHz 1333FSB 4M M-1 95W (models 91G)	46R9516	N
2	Microprocessor, Q6700 2.66GHZ 1066FSB 8M G-0 Stepping Level, 95W (models 91G)	43C6309	N
2	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W (models 91G)	45C7739	N
2	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W (models 91G)	45C7740	N
2	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W (models 91G)	45C7741	N
2	Microprocessor, E5400 2.7G 800MHz-2MB 65W Non-vPro SKU (models 91G)	64Y1075	N
3	95W heat sink kit with RM (all models)	41R6454	2
3	65W heat sink kit with RM (all models)	43N9349	2
4	Internal speaker 254 mm - optional (all models)	39K5012	2
5	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista (models 91G)	41N3325	1
5	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista (models 91G)	43C1042	1
6	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM (models 91G)	41X4255	1
6	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM (models 91G)	41X4256	1
6	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM (models 91G)	41X4257	1
6	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM (models 91G)	41X1079	1
6	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G)	41X1080	1
6	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM (models 91G)	41X1081	1
7	System board, Intel G41 BTX(GA) non-AMT (models 91G)	46R8892	N
8	Power supply, 280W Active PFC power supply (Auto sensing) for 10L---Robust, ww, JP (models 91G)	41A9701	N
8	Power supply, 280W 85+ power supply for 10L---Robust, ww, JP (models 91G)	41A9742	N

The FRUs listed in the following tables are not illustrated.

7799 FRUs	FRU#	CRU
Battery 3V - Lithium (models 91G)	45C1566	1
Cable - SATA 250 mm (RoHS) for 1st HDD (all models)	43N9012	2

7799 FRUs	FRU#	CRU
Cable - SATA 600mm (RoHS) (all models)	45J9579	2
Cable - SATA 700 mm (RoHS) for ODD / Second HDD (all models)	43N9011	2
C2 Intrusion Switch 260 mm (all models)	43N9080	2
Rear IO shield BTX (all models)	41R6381	N
Temp Sense Cable (165 mm) (all models)	43N9079	2
Air Deflector, recycle resin (all models)	43N9610	2
HDD Tray ASM (all models)	43N9595	1
Front cage ASM (all models)	43N9596	N
Front cage ASM (all models)	43N9647	N
Cable, Front I_O cable_R (10L_U380_A550)_ESD (all models)	45J9509	2
Models with 3.5'' Convert 2.5'' for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9645	2
3.5'' Convert 2.5'' for 150GB 10K rpm HDD (1st HDD bay) (all models)	43N9593	2
Universal Adapter Bracket 5.25 to 3.5 607CT (all models)	43N9676	2
Top cover ASM (all models)	43N9594	1
Cable, LED/Switch cable_R (10L_220 mm_PCBA) (all models)	45J9515	2
NO ODD, EMI Shielding (all models)	43N9641	1
Card reader bezel, 607CT (all models)	43N9642	1
Non-Card reader bezel, 607CT (all models)	43N9643	1
Vertical Stand (all models)	43N9644	1
Front bezel ASM (all models)	43N9677	1
Chassis (all models)	43N9649	N
Rubber foot for vertical (all models)	43N9727	1
Rubber foot for horizontal (all models)	43N9728	1
Thermal Grease (all models)	91P8835	N

7799 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--US English (models 91G)	41A5289	1
USB FULL--Arabic (models 91G)	41A5290	1
USB FULL--Arabic/French (models 91G)	41A5291	1
USB FULL--Belgium French (models 91G)	41A5292	1
USB FULL--Belgium English (models 91G)	41A5293	1
USB FULL--Brazilian Portuguese (models 91G)	41A5294	1
USB FULL--Bulgarian (models 91G)	41A5295	1
USB FULL--Chinese/US (models 91G)	41A5296	1
USB FULL--Czech (ABB) (models 91G)	41A5297	1
USB FULL--Danish (models 91G)	41A5298	1
USB FULL--Dutch (models 91G)	41A5299	1
USB FULL--French (models 91G)	41A5300	1
USB FULL--French Canadian (models 91G)	41A5301	1
USB FULL--French Canadian (models 91G)	41A5302	1
USB FULL--German (models 91G)	41A5303	1

7799 Keyboards (Lenovo Preferred Pro USB -- without hub)	FRU#	CRU
USB FULL--Greek (models 91G)	41A5304	1
USB FULL--Greek/US (models 91G)	41A5305	1
USB FULL--Hebrew (models 91G)	41A5306	1
USB FULL--Hungarian (models 91G)	41A5307	1
USB FULL--Iceland (models 91G)	41A5308	1
USB FULL--Italy (models 91G)	41A5309	1
USB FULL--Japanese (models 91G)	41A5310	1
USB FULL--Korean (models 91G)	41A5311	1
USB FULL--LA Spanish (models 91G)	41A5312	1
USB FULL--Norwegian (models 91G)	41A5313	1
USB FULL--Polish (models 91G)	41A5314	1
USB FULL--Portuguese (models 91G)	41A5315	1
USB FULL--Romanian (models 91G)	41A5317	1
USB FULL--Romanian (models 91G)	41A5316	1
USB FULL--Russian/Cyrillic (models 91G)	41A5318	1
USB FULL--Serbian/Cyrillic (models 91G)	41A5319	1
USB FULL--Slovak (models 91G)	41A5320	1
USB FULL--Spanish (models 91G)	41A5321	1
USB FULL--Swedish/Finnish (models 91G)	41A5322	1
USB FULL--Swiss French/German (models 91G)	41A5323	1
USB FULL--Thailand (models 91G)	41A5324	1
USB FULL--Turkish (models 91G)	41A5325	1
USB FULL--Turkish (models 91G)	41A5326	1
USB FULL --UK English (models 91G)	41A5327	1
USB FULL--US Euro (models 91G)	41A5328	1
USB FULL--Slovenian (models 91G)	41A5329	1
USB FULL--Arabic (New) (models 91G)	45J4880	1
USB FULL--Lithuanian (models 91G)	45J4896	1
USB FULL--Estonia (models 91G)	51J0059	1

7799 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
US English (models 91G)	41R0038	1
Arabic (models 91G)	41R0039	1
Arabic/French (models 91G)	41R0040	1
Belgium French (models 91G)	41R0041	1
Belgium English (models 91G)	41R0042	1
Brazilian Portuguese (models 91G)	41R0043	1
Bulgarian (models 91G)	41R0044	1
Chinese/US (models 91G)	41R0045	1
Czech (ABB) (models 91G)	41R0046	1
Danish (models 91G)	41R0047	1

7799 Keyboards (Lenovo Fingerprint Reader USB)	FRU#	CRU
Dutch (models 91G)	41R0048	1
French (models 91G)	41R0049	1
French Canadian (models 91G)	41R0050	1
French Canadian (models 91G)	41R0051	1
German (models 91G)	41R0052	1
Greek (models 91G)	41R0053	1
Greek/US (models 91G)	41R0054	1
Hebrew (models 91G)	41R0055	1
Hungarian (models 91G)	41R0056	1
Iceland (models 91G)	41R0057	1
Italian (models 91G)	41R0058	1
Japanese (models 91G)	41R0059	1
Korean (models 91G)	41R0060	1
LA Spanish (models 91G)	41R0061	1
Norwegian (models 91G)	41R0062	1
Polish (models 91G)	41R0063	1
Portuguese (models 91G)	41R0064	1
Romanian (models 91G)	41R0065	1
Romanian (models 91G)	41R0066	1
Russian/Cyrillic (models 91G)	41R0067	1
Serbian/Cyrillic (models 91G)	41R0068	1
Slovak (models 91G)	41R0069	1
Spanish (models 91G)	41R0070	1
Swedish/Finnish (models 91G)	41R0071	1
Swiss French/German (models 91G)	41R0072	1
Thailand (models 91G)	41R0073	1
Turkish (models 91G)	41R0074	1
Turkish (models 91G)	41R0075	1
UK English (models 91G)	41R0076	1
US Euro (models 91G)	41R0077	1
Slovenian (models 91G)	41R0078	1

7799 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--US English (models 91G)	41A5039	1
PS/2 Full--Arabic (models 91G)	41A5040	1
PS/2 Full--Arabic/French (models 91G)	41A5041	1
PS/2 Full--Belgium French (models 91G)	41A5042	1
PS/2 Full--Belgium English (models 91G)	41A5043	1
PS/2 Full--Brazilian Portuguese (models 91G)	41A5044	1
PS/2 Full--Bulgarian (models 91G)	41A5045	1
PS/2 Full--Chinese/US (models 91G)	41A5046	1

7799 Keyboards (Lenovo Preferred Pro PS/2 Full Size)	FRU#	CRU
PS/2 Full--Czech (ABB) (models 91G)	41A5047	1
PS/2 Full--Danish (models 91G)	41A5048	1
PS/2 Full--Dutch (models 91G)	41A5049	1
PS/2 Full--French (models 91G)	41A5050	1
PS/2 Full--French Canadian (models 91G)	41A5051	1
PS/2 Full--French Canadian (models 91G)	41A5052	1
PS/2 Full--German (models 91G)	41A5053	1
PS/2 Full--Greek (models 91G)	41A5054	1
PS/2 Full--Greek/US (models 91G)	41A5080	1
PS/2 Full--Hebrew (models 91G)	41A5055	1
PS/2 Full--Hungarian (models 91G)	41A5056	1
PS/2 Full--Iceland (models 91G)	41A5057	1
PS/2 Full--Italian (models 91G)	41A5058	1
PS/2 Full--Japanese (models 91G)	41A5059	1
PS/2 Full--Korean (models 91G)	41A5060	1
PS/2 Full--LA Spanish (models 91G)	41A5061	1
PS/2 Full--Norwegian (models 91G)	41A5062	1
PS/2 Full--Polish (models 91G)	41A5063	1
PS/2 Full--Portuguese (models 91G)	41A5064	1
PS/2 Full--Romanian (models 91G)	41A5065	1
PS/2 Full--Russian/Cyrillic (models 91G)	41A5066	1
PS/2 Full--Serbian/Cyrillic (models 91G)	41A5067	1
PS/2 Full--Slovak (models 91G)	41A5068	1
PS/2 Full--Spanish (models 91G)	41A5069	1
PS/2 Full--Swedish/Finnish (models 91G)	41A5070	1
PS/2 Full--Swiss French/German (models 91G)	41A5071	1
PS/2 Full--Thailand (models 91G)	41A5072	1
PS/2 Full--Turkish (models 91G)	41A5073	1
PS/2 Full--Turkish (models 91G)	41A5074	1
PS/2 Full--UK English (models 91G)	41A5075	1
PS/2 Full--US Euro (models 91G)	41A5076	1
PS/2 Full--Slovenian (models 91G)	41A5077	1

7799 Mice	FRU#	CRU
Optical Wheel Mouse OPT (400DPI, USB) (models 91G)	41U3013	1
Optical Wheel Mouse OPT (400DPI, USB) (models 91G)	41U3030	1
PS/2 Three button ball mouse scrollpoint (41R0017) (models 91G)	41R0018	1

7799 Adapters and miscellaneous FRUs	FRU#	CRU
Internal 25 in 1 USB Memory Card Reader Slim (models 91G)	46R1529	1
IEEE 1394 Firewire Adapter (models 91G)	41D2781	1

7799 Adapters and miscellaneous FRUs	FRU#	CRU
Soft Modem V.90/V.44 (models 91G)	46R4220	1
Speaker power brick - US, Canada, LA low voltage, ASEAN (models 91G)	89P8571	1
Speaker power brick - LA high voltage (non-APU) (models 91G)	89P8575	1
Speaker power brick - Simplified Chinese, Thailand EMEA (models 91G)	89P8581	1
Speaker power brick - Japanese (models 91G)	89P8577	1
Speaker power brick - Brazil (models 91G)	89P8583	1
Speaker power brick - Argentina (models 91G)	41A4901	1
Speaker power brick - ANZ (models 91G)	89P8579	1
Speaker power brick - Korea (models 91G)	41A4903	1
Speaker power brick - Hong Kong, EMEA, Ireland (models 91G)	89P8573	1
Speaker power brick -Taiwan-Traditional Chinese (models 91G)	41A4905	1
Speaker power brick - India, South Africa (models 91G)	89P8585	1
2-pc external speaker--primary (models 91G)	41A5331	1
2-pc external speaker-secondary (models 91G)	41A5334	1
DVI-I(M)-VGA(F) cord (models 91G)	41R3342	1
ATI HD3470 GDDR3 256MB - VGA+DP (models 91G)	46R1521	1
ADD2 DVI-D Adapter, (HDCP) DVD-D connection Adapter Low Profile (Silicon Image) (models 91G)	43C0258	1
DisplayPort to DVI-D Dongle (models 91G)	43N9160	1
DisplayPort to VGA Dongle (models 91G)	45J9524	1
Modem phone cable (models 91G)	39K5120	1
LI140mm Rear Com2 cable II mini® (models 91G)	43N9062	2
Rear USB 2 Ports II LP® 350 mm (models 91G)	43N9124	2
NVIDIA G100 DDR2 256MB LP - DVI-I (With DVI-I to VGA Dongle) (models 91G)	53Y9341	1

7799 Power Cords (Primary)	FRU #	CRU
Power cord - US (models 91G)	41R3184	1
Power cord - China (models 91G)	41R3256	1
Power Cord - Japanese and Japanese English (models 91G)	41R3248	1
Power cord - Brazil (models 91G)	41R3270	1
Power cord - LA High Volt (APU) (models 91G)	41R3176	1
Power cord - Australia / New Zealand (models 91G)	41R3196	1
Power cord - Korea (models 91G)	41R3260	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91G)	41R3224	1
Power cord - Taiwan (models 91G)	41R3278	1
Power cord - Italy (models 91G)	41R3232	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91G)	41R3208	1
Power cord - Denmark (models 91G)	41R3212	1
Power cord - Switzerland (models 91G)	41R3228	1
Power cord - Israel (models 91G)	41R3236	1

7799 Power Cords (Primary)	FRU #	CRU
Power cord - South Africa (models 91G)	41R3220	1
Power cord - India (models 91G)	41R3341	1
Power cord - Thailand (models 91G)	43N9029	1

7799 Power Cords (Secondary)	FRU#	CRU
Power cord - US (models 91G)	41R3185	1
Power cord - China (models 91G)	41R3257	1
Power Cord - Japanese and Japanese English (models 91G)	41R3249	1
Power cord - Brazil (models 91G)	41R3271	1
Power cord - LA High Volt (APU) (models 91G)	41R3177	1
Power cord - Australia / New Zealand (models 91G)	41R3197	1
Power cord - Korea (models 91G)	41R3261	1
Power cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong (models 91G)	41R3225	1
Power cord - Taiwan (models 91G)	41R3279	1
Power cord - Italy (models 91G)	41R3233	1
Power cord - Indonesia, Laos, Cambodia, Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden (models 91G)	41R3209	1
Power cord - Denmark (models 91G)	41R3213	1
Power cord - Switzerland (models 91G)	41R3229	1
Power cord - Israel (models 91G)	41R3237	1
Power cord - South Africa (models 91G)	41R3221	1
Power cord - India (models 91G)	41R3175	1
Power cord - Thailand (models 91G)	43N9030	1
Power cord - Y cable for Brazil (models 91G)	43N9044	1

7799 Windows XP Home Recovery CDs	FRU#	CRU
US English/UK/Asia Pacific (models 91G)	TBD	1
French/French Canadian (models 91G)	TBD	1
Greek (models 91G)	TBD	1
Italy (models 91G)	TBD	1
Brazilian (models 91G)	TBD	1
Spanish/LA (models 91G)	TBD	1
Danish (models 91G)	TBD	1
Dutch (models 91G)	TBD	1
Arabic (models 91G)	TBD	1
Swedish (models 91G)	TBD	1
Hebrew (models 91G)	TBD	1
Finnish (models 91G)	TBD	1
Norwegian (models 91G)	TBD	1
Polish (models 91G)	TBD	1

7799 Windows XP Home Recovery CDs	FRU#	CRU
Portuguese (models 91G)	TBD	1
Russian (models 91G)	TBD	1
Russian English (models 91G)	TBD	1
Hungarian (models 91G)	TBD	1
Czech (models 91G)	TBD	1
Turkish native (models 91G)	TBD	1
Greek (models 91G)	TBD	1
Japanese (models 91G)	TBD	1
Simplified Chinese (models 91G)	TBD	1
Taiwan-TC (models 91G)	TBD	1
Hong Kong-TC (models 91G)	TBD	1
Korean (models 91G)	TBD	1

7799 Windows XP Pro Recovery CDs	FRU#	CRU
US English (models 91G)	64Y5685	1
French (models 91G)	64Y5686	1
German (models 91G)	64Y5687	1
Italian (models 91G)	64Y5690	1
Brazilian Portuguese (models 91G)	64Y5689	1
Spanish (models 91G)	64Y5688	1
Danish (models 91G)	64Y5694	1
Dutch (models 91G)	64Y5695	1
Arabic (models 91G)	64Y5699	1
Swedish (models 91G)	64Y5693	1
Hebrew (models 91G)	63Y8286	1
Finnish (models 91G)	64Y5697	1
Norwegian (models 91G)	64Y5692	1
Polish (models 91G)	64Y5698	1
Portuguese (models 91G)	63Y8294	1
Russian (models 91G)	64Y5700	1
Russian English (models 91G)	63Y8290	1
Hungarian (models 91G)	63Y8292	1
Czech (models 91G)	64Y5696	1
Turkish (models 91G)	64Y5701	1
Greek (models 91G)	64Y5702	1
Slovenian (models 91G)	63Y8295	1
Japanese (models 91G)	64Y6068	1
Simplified Chinese (models 91G)	64Y5703	1
Taiwan-TC (models 91G)	64Y5704	1
Hong Kong-TC (models 91G)	64Y5705	1
Korean (models 91G)	63Y8299	1

7799 Windows XP Pro Recovery CDs	FRU#	CRU
MUI Nordics (EN-DK-FI-NO-SV) (models 91G)	64Y4801	1
MUI Switz (EN-FR-GR-IT) (models 91G)	64Y4802	1
MUI Bel-Lux (EN-FR-GR-NL) (models 91G)	64Y4803	1

7799 Vista Home Basic 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2771	1
French (models 91G)	64Y2773	1
German (models 91G)	64Y2774	1
Spanish (models 91G)	64Y2775	1
Brazilian (models 91G)	64Y2776	1
Italian (models 91G)	64Y2777	1
Japanese (models 91G)	64Y6073	1
Dutch (models 91G)	64Y2791	1
Czech (models 91G)	64Y2778	1
Polish (models 91G)	64Y2779	1
Russian (models 91G)	64Y2780	1
Turkish (models 91G)	64Y2781	1
Hungarian (models 91G)	64Y2782	1
Greek (models 91G)	64Y2783	1
Portuguese (models 91G)	64Y2794	1
Simplified Chinese (models 91G)	64Y2785	1
Hong Kong (models 91G)	64Y2787	1
Traditional Chinese (models 91G)	64Y2786	1
Korean (models 91G)	64Y2788	1
Slovenian (models 91G)	64Y2789	1
Russian English (models 91G)	64Y2772	1
Hebrew (models 91G)	64Y2792	1
Arabic Localized (models 91G)	64Y2790	1
Slovakian (models 91G)	64Y2796	1
Romanian (models 91G)	64Y2793	1
Serbian-Latin (models 91G)	64Y2795	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2797	1
C&L 2 Switzerland (EN FR GR IT) (models 91G)	64Y2798	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G)	64Y2799	1

7799 Vista Business 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2684	1
French (models 91G)	64Y2686	1
German (models 91G)	64Y2687	1
Spanish (models 91G)	64Y2688	1
Brazilian Portuguese (models 91G)	64Y2689	1

7799 Vista Business 32 Recovery DVDs	FRU#	CRU
Italian (models 91G)	64Y2690	1
Japanese (models 91G)	64Y6071	1
Dutch (models 91G)	64Y2704	1
Czech (models 91G)	64Y2691	1
Polish (models 91G)	64Y2692	1
Russian (models 91G)	64Y2693	1
Turkish (models 91G)	64Y2694	1
Hungarian (models 91G)	64Y2695	1
Greek (models 91G)	64Y2696	1
Portuguese (models 91G)	64Y2707	1
Simplified Chinese (models 91G)	64Y2698	1
Traditional Chinese (models 91G)	64Y2699	1
Hong Kong (models 91G)	64Y2700	1
Korean (models 91G)	64Y2701	1
Slovenian (models 91G)	64Y2702	1
Russian English (models 91G)	64Y2685	1
Romanian (models 91G)	64Y2706	1
Serbian-Latin (models 91G)	64Y2708	1
Slovakian (models 91G)	64Y2709	1
Arabic Localized (models 91G)	64Y2703	1
Hebrew (models 91G)	64Y2705	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2710	1
C&L 2 Switzerland (EN FR GR IT) (models 91G)	64Y2711	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G)	64Y2712	1

7799 Vista Home Premium 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2800	1
French (models 91G)	64Y2801	1
German (models 91G)	64Y2802	1
Spanish (models 91G)	64Y2803	1
Italian (models 91G)	64Y2805	1
Japanese (models 91G)	64Y6074	1
Hong Kong (models 91G)	64Y2807	1
Korean (models 91G)	64Y2804	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2808	1
C&L 2 Switzerland (EN FR GR IT) (models 91G)	64Y2809	1
C&L 3 Bel Lux (EN FR GR NL) (models 91G)	64Y2810	1

7799 Vista Business 64 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2820	1
French (models 91G)	64Y2821	1

7799 Vista Business 64 Recovery DVDs	FRU#	CRU
German (models 91G)	64Y2822	1
Japanese (models 91G)	64Y6076	1
Simplified Chinese (models 91G)	64Y2824	1

7799 Vista Ultimate 32 Recovery DVDs	FRU#	CRU
US English (models 91G)	64Y2811	1
Japanese (models 91G)	64Y6075	1
French (models 91G)	64Y2812	1
German (models 91G)	64Y2813	1
Spanish (models 91G)	64Y2814	1
Italian (models 91G)	64Y2815	1
Hong Kong - Traditional Chinese (models 91G)	64Y2817	1
Arabic localized (models 91G)	64Y2818	1
C&L 1 Nordics (EN DK FI NO SV) (models 91G)	64Y2819	1

7799 Vista Starter 32 Recovery DVDs	FRU#	CRU
English (models 91G)	TBD	1

Chapter 11. Additional service information

This chapter provides additional information that the service representative might find helpful.

Security features

Security features in this section include the following:
- Passwords
- Vital Product Data
- Management Information Format (MIF)

Hardware controlled Passwords

Hardware controlled passwords are set using the Setup Utility program. For more information about passwords, see "Using passwords" on page 49.

Operating system password

An operating system password is very similar to a power-on password and denies access to the computer by an unauthorized user when the password is activated. The computer is unusable until the password is entered and recognized by the computer.

Vital product data

Each computer has a unique Vital Product Data (VPD) code stored in the nonvolatile memory on the system board. After you replace the system board, the VPD must be updated. To update the VPD, see "Updating (flashing) the BIOS from a disc" on page 380.

BIOS levels

An incorrect level of BIOS can cause false errors and unnecessary FRU replacement. Use the following information to determine the current level of BIOS installed in the computer, the latest BIOS available for the computer, and where to obtain the latest level of BIOS.

- To determine the current Level of BIOS:
  - Start the Setup Utility.
  - Select System Information on the Main setup screen.
- Sources for obtaining the latest level BIOS available
  1. Lenovo support web site:

     `http://www.lenovo.com/support/`
  2. Lenovo Customer Support Center
  3. Levels 1 and 2 Support

To update (flash) the BIOS, see "Updating (flashing) the BIOS from a disc" on page 380.

Updating (flashing) the BIOS from a disc

This section provides instructions on how to update (flash) the BIOS from a disc. System BIOS program updates are available at: http://www.lenovo.com/support

To update (flash) the BIOS from a disc:

1. Make sure the computer is turned on. Insert the system program update (flash) disc into the optical drive. The update begins.
2. When you are prompted to select a language, press the number on your keyboard that corresponds to the language and then press **Enter**.
3. When prompted to change the serial number, press **Y**.
4. Type the seven-character serial number of your computer and then press **Enter**.
5. When prompted to change the machine type/model, press **Y**.
6. Type the seven-character machine type/model of your computer and then press **Enter**.
7. Follow the instructions on the screen to complete the update.

Recovering from a POST/BIOS update failure

If the power to your computer is interrupted while POST/BIOS is being updated (flash update), your computer might not restart correctly. If this happens, perform the following procedure which is commonly called Boot-block Recovery.

1. Turn off the computer and any attached devices, such as printers, monitors, and external drives.
2. Unplug all power cords from electrical outlets, and remove or open the computer cover. See "Removing the computer cover" on page 86 or "Opening the computer cover" on page 126.
3. Depending on your machine type, you might need to lay the computer on its side for easier access to the system board or you might need to pivot the optical drive bay assembly upward and or remove the hard disk drive to access the system board, see "Accessing the system board components and drives" on page 127.
4. Locate the Clear CMOS/Recovery jumper on the system board. See "Locating parts on the system board" on page 89 or "Locating parts on the system board" on page 129.
5. Remove any cables that impede access to the Clear CMOS/Recovery jumper.
6. Move the jumper from the standard position (pin 1 and pin 2) to pin 2 and pin 3.
7. Reconnect any cables that were disconnected.
8. Reinstall or close the computer cover and reconnect the power cords for the computer and monitor to electrical outlets. See "Completing the FRU replacement" on page 120 or "Completing the FRU replacement" on page 155.
9. Turn on the computer and the monitor, and then insert the POST/BIOS update (flash update) disc into the optical drive.
10. Turn the computer off and back on again.
11. The recovery session will take two to three minutes. During this time you will hear a series of beeps. After the update session is completed, there will be no video, the series of beeps will end, and the system will automatically turn off. Remove the disc from the optical drive before the system completely turns off.
12. Repeat steps 2 through 5.

13. Move the jumper back to the standard position (pin 1 and pin 2).
14. Reconnect any cables that were disconnected.
15. Reinstall or close the computer cover and reconnect the power cords for the computer and monitor to electrical outlets. See "Completing the FRU replacement" on page 120 or "Completing the FRU replacement" on page 155.
16. Turn on the computer to restart the operating system.

Power management

Power management reduces the power consumption of certain components of the computer such as the system power supply, processor, hard disk drives, and some monitors.

Automatic configuration and power interface (ACPI) BIOS

Being an ACPI BIOS system, the operating system is allowed to control the power management features of the computer and the setting for Advanced Power Management (APM) BIOS mode is ignored. Not all operating systems support ACPI BIOS mode.

Automatic Power-On features

The Automatic Power-On features within the Power Management menu allow you to enable and disable features that turn on the computer automatically.

• **RTC resume**: You can specify a date and time at which the computer will be turned on automatically. This can be either a single event or a daily event.
• **Wake on LAN**: If the computer has a properly configured token-ring or Ethernet LAN adapter card that is Wake on LAN-enabled and there is remote network management software, you can use the Wake on LAN feature. When you set Wake on LAN to **Enabled**, the computer will turn on when it receives a specific signal from another computer on the local area network (LAN).

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Part Number: 53Y6319

Printed in USA